



SEQUENCE LISTING

<110> Burmer, Glenna C.
Brown, Joseph P.
LifeSpan BioSciences, Inc.

<120> Nucleic Acid Sequences and Proteins
Associated With Aging

<130> 017473-001110US

<140> US 09/292,758

<141> 1999-04-14

<150> US 60/081,887

<151> 1998-04-15

<160> 147

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 538

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(538)

<223> n = a,t,c or g

<400> 1

atgggccact	ccntccggc	gcattngcgg	gattacatnc	cccagttgta	ncnangacac	60
ataaatctgt	gctgctattc	atctaactct	gaactccana	acaccanacg	cttgtnccatt	120
cactgtntta	tgacactttc	tctccggggg	ggangggang	gcncgtgact	gtgtannnca	180
atatgtggaa	tnaaatattg	tctataacnt	ntcatcacgt	annacannct	ctattatgca	240
tacctanggg	gannaacncc	tcccttctan	nntnattcng	aaggannngg	anaatnnntc	300
ctnccctnan	ntnancnatn	ncnttnanna	aangacacnt	ggagatcacn	gncctctcnc	360
anaaatnntt	cntcacttgt	cccatcgana	ngtngttntc	gccctgncat	cccnctgtgt	420
aanatnatch	atcgctnate	ccatgcgncg	ctgcagtcac	ctntgganac	tcccccttng	480
gatcnncnta	ntatcntntn	tccttntctg	ttgcntctca	ggcctgctnt	tcngttga	538

<210> 2

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(338)

<223> n = a,t,c or g

<400> 2

ncnntnccat	gtcggcccca	gtcacgncat	actgancatc	tgaccgggat	atagtgtggg	60
tccacacatc	agtcccgaca	cnaatgtgat	gtggcacata	aggattctcc	gcatanacac	120
agcgacaatc	tcgtcngcat	agtggtaggt	atgatchnaca	tgggcccgat	ccatctaacg	180
gcgcacgcgg	gaccacttgt	cctnataggt	aatgccctgg	ctacatgcta	cttctttact	240
gtnccccac	cccanctaca	ccgaentntt	tnccgggtcta	natacactca	atatgctgcc	300
cctgccctca	tcgaacngtc	tgcaactnata	tactgcan			338

<210> 3
 <211> 441
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(441)
 <223> n = a,t,c or g

<400> 3
 tacattttta taagaatata taaaaaatga tataaatgga catttacggt agtgnngggaa 60
 ngcatatata tacgttaaaa ggcaggacat ttttaaaagc tctattttct aaatgaaaac 120
 tacgaaagcg ggggtgggttg tggcgggggc agttgtggcc ctgtaggacc ttcggtgact 180
 gatgatctaa gtttcaggag tttctcagag cctctctggt tctttcaatc ggggatgtct 240
 gagggacctt ccgcggcatc tatgcgggca tggttactgc ctctgggtgcc ccccgagcc 300
 ggcgcanggt accgtgcgac atcncgattg gccagctcc tcagccaggt ccacggtcag 360
 acggccccag gcatacgcga cgtccagccg cggcccggcc cgggtgcagca ccaccagcgt 420
 gtccaggaag ccctcccggg g 441

<210> 4
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 4
 tttgcaaaat gctcaagtgt atttatgcaa cagattggcc gtgtactgag gaggggagcg 60
 caggctgagg gctgaggtag gagtgagggt ctctcctctg cagccaccag gcagctgac 120
 accatgtcca agcgtcattc ctgagaccct caggtgatgc tcacgtcccc agaacagcag 180
 gctggatgca tggccagagg agctcggcca gccccggggc tggctcctgag aggtggctgc 240
 aggcgggggtg ggtaagggcc cctcctccag gcagcagggt acccatagcc cacaccctcc 300
 acaagaagc gggcgtggac agtgtgttca aagctgcagc cgcctggaca ggggcacaag 360
 ttccactggc cttggaagcc gaagctcaga ggacatatgg gaggttctcc ttggagggtca 420
 ggagggggcg cagtgtctggg tcagtgcatt ggggacact 459

<210> 5
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(457)
 <223> n = a,t,c or g

<400> 5
 ttttttttcg gttaaaaagg cccaaaactt tatttagttt tcagggaaat ataagatgca 60
 tgtaaacata aaatacaaaa caaaacccaa atcttacagt ctagaagcat gccaaagacag 120
 agcattttct gcagacaaa gagtcccgtc aaagtataa aggacacctg gaaagtggca 180
 ggccaagggg ctggctccctt ccccaagggc actgcatttt tgtgatgaga ttaaaaacaa 240
 accaactcca ctattaaaaa tgctagaaac atggagatag tttagcacca ccattgattc 300
 tggaaatatt tcagcactca aatcgactgc actgagttta atgtcctttc tccagttntc 360
 tgctgaggag gaaagaagga aaacctggag gaagggccct cctgacccca cagagccnta 420
 agactgggag gggatncatg aggatntccc aagtntg 457

<210> 6
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 6
 gcctgttgca gtcctgaggg gatcttctgg cagaggtgtg ggtaggaagc tgagtggcca 60
 ctgggggtgaa gggcagacag aggaggctgt gaccagcagg ctccatcca gatgatacat 120
 gagatggagg cctcctcagc cacactccag ggaggggtgg gtggcaagg ggattcaggg 180
 ataatggcat taataataca agtggtaaac aaataaccaa gaggatctgg ctgggttacga 240
 tacacaaaag ttagcagtaa gagtccgtgc ttccacattc ctatcagaca gatctgagtt 300
 caaatcctgt atgtgtagca ggggtgaggta tctgctttct gtcagagccc atgggggtgca 360
 catctctgag cctagttaca acatttggcc ctagggt 396

<210> 7
 <211> 425
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(425)
 <223> n = a,t,c or g

<400> 7
 cactctgctg ccccggtctg agtgcagtgg cgccatctca gctcactgca acctcccgt 60
 cccgggttca agcaattctc ctgcctcagc ctccctgagta gctggcatta caggcaccog 120
 ccaccacacc cagctaattt ttttttgtat ttttagtaga gatggattag tttggggaag 180
 gtatccattt ttttaaatgg gtgtgcactg cagattacca acttatatta actggctact 240
 gcaggcagac ctaaagaaga ggggtgtact atgctttact aatagaaata cctctttggc 300
 tgggggaggg gagtgcttct gaatagaaat taccactcc tgagttacan ctttagtggg 360
 catattaatg gggatttaaa tttacagtaa aaacaaaaac aaaaacaaaa acaaacctat 420
 tncca 425

<210> 8
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 8
 tatcacacca gaagtttatt atggaacaat cacatatgtt gactctcctt tgaccctcac 60
 tgcagtgcac ttccattact tatcaatctg gggcggggaa aaaggggtgc agccagacaa 120
 gagaatatac aggaaagaag cattgtatat aagcctatgt atttcagtaa tgctgctaca 180
 gggggataca aaatcaggtg ccagcctcca gaaaaaaga gatttttttt ctccctcag 240
 tctcatttgg cccctcggcg ctccctgaag tagcgattat aggcagcatt gtatccataa 300
 accatggcgt acgtttcgca aagtctgtag tcatcacagg ctccctatt gagctcgtgg 360
 acaggcttag agcgttctcg gatcctctct tggactttag ctctccatct ctgctgaggg 420
 gatatgaagg tatttgcatt tctcctgtta atgaagggat taagttcata agattccatg 480
 ctttcatgtg a 491

<210> 9
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 9
 tgtattattt ttctgtattc tcccatatct cactgagctc cttaaatatt atttttaatt 60
 atttttccag aattttatta atttcctttt cattggaaat tggtgctgca gaactactgt 120
 gtttcttttg aggtatcata ttcccttgct ttttcatgct tcttgtgtct ttatgttgat 180
 acctgtgcat ctggtgtaac aattacttct tccaaaattt aacatttgct ttcatagggg 240
 aggacttttt tcctgaagat gtatctatag tattggttgg gtgaggcact ttggctttga 300
 ttctgggtgc atgcagtagt gtagtctcta cataatttac tcatctgtga gtgggtctgt 360
 tatttcccta atgggttagg atgtcattgt tagtgaggag ag 402

<210> 10
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(439)
 <223> n = a,t,c or g

<400> 10
 tccccggtcca ggtcagcacc cttccgagac tggaagagaa aacaagaggc gtgttaaaga 60
 ggcccagggt ctgccgagag ctgccacact ggacttcccg gcctccctcc tgcctccctc 120
 ctcttgggca gccctagcag tgggtcgggc cggggcgggc ggacgggaag gaactgagac 180
 cacgagtatt ccaacgggtt tattcttaca caccggacca tacagagcag cacaggtcac 240
 tgagccgggc ccgcccctta caaaagagca aggacagaga ggccgagggc gcgaggagca 300
 cgcccnnggg cgngggcggt taagagaagc gggggcgagg aggttggacg gttgggctgc 360
 tggttcggga gcacagggn cgacaaccgg gagcgaaagt ccacaagtta gcgggcagat 420
 ggcctnttgc ggcacaatt 439

<210> 11
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(415)
 <223> n = a,t,c or g

<400> 11
 tgatgagctg ccccgactca tccacgggtca tccctggacac ctgggttcgtg tggcctttcc 60
 cagcgaagga gtcgttctcc ccggtctctg aatcccagta attaatgtgt ccgtcgtggc 120
 tcccagagta aatgtaggac ttgccggcgt ttttatgcac cgtcagacac tggatcgatt 180
 tactgtgacc cttgatgacg tgcaggggct tgctgggggt gtttctgtcc agatagttga 240
 ttgtacccgg acaggatgac actgagcagg tggtccttca tgccatagna cnccaagctn 300
 tnggtccaga accgtggagc ccattggaaa tgtgcttgac cacggagttc acgctgacgt 360
 cccaaatctt ggaagttttg tcccagaagc agaaagcaaa tgggtgctgt cgga 415

<210> 12
 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(472)
 <223> n = a,t,c or g

<400> 12
 ggaagactgt tcacgtaagt taataaaaga gaatggatta aatgcaggcc tggcatttcc 60
 tactggatgt tctctcaata attgtgctgc ccattatact cccaatgccg gtgacacaac 120
 agtattacag tatgatgaca tctgtaaaat agactttgga acacatataa gtggtaggat 180
 tattgactgt gcttttactg tcaactttta tcccaaatat gatacgttat taaaagctgt 240
 aaaagatgct actaacactg gaataaagtg tgctggaatt gatgttcgtc tgtgtgatgt 300
 tggtgaggcc atccaagaag ttatggagtc ctatgaagtt gaaatagatg gggaagacat 360
 atcaagtga accaatccgt taatctaaat gggacattca attggggcaa tataggatta 420
 catggctggg aaaaacagtg cccgttgttg aaaggggggg gnggccacag ga 472

<210> 13
 <211> 414
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(414)
 <223> n = a,t,c or g

<400> 13
 atatttagcag aataatttta atagtttatg ttataatctc tcatttgaag gaatagaagc 60
 aagtacttag ctttccacaa ttaagcctta taatgatgcc acaagaataa actaatcccc 120
 aaagtcgaga atgtataatt ttcaaacact tttttaaaaa gctggtgaat aacaaagagc 180
 taggattaaa taattttattt aaaaaaaact ttttncataa atctgtttca taagcatata 240
 taataacatc atatatattc ttaattggag tagaaacgtt tttaaaatta ctgngaaaaa 300
 caagagtng atccagaaa aaattgtgcc cttaaagaaat ctggtttagg ccagggtgcgg 360
 tggctcacac ctgcaatccc agcactttgg tctgcaggtc tgttgcaaag gtct 414

<210> 14
 <211> 525
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(525)
 <223> n = a,t,c or g

<400> 14
 ttgaaataaa cgtcgctcca ttttaatacc gtcttttagta tcatacacat gtgttcagta 60
 gtgagccacc caaagcctcc tgccacagga gcagtagtcg aagcacagag gggaccccg 120
 tctgctgcct ccccatgcag tccagtgatg aggtggatgg agtcctcccc acagtcacac 180
 cccaagcttc ctcttctggt ggaaataggc atcaaacctt gcttggggcgt agtccatgta 240
 cccaaattca atagatgaaa tcttggcttg tacaatggac cacagtcccc agaggaaatg 300
 agatgcaagg gcaaacctat taacttcaag caacatttct tcttttataa tggatttttc 360
 ttcagtactg aggttttcaa agtcattttg gaatgcaggc aagttaactg ggaaataaaa 420
 tgggagctgt tggttcctgg gtngganact tccggatgtt tgccctgaaa aaagggattt 480
 ttcatagcta taatcataca tccactcaca gaagtgaatt tccaa 525

<210> 15
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(316)
 <223> n = a,t,c or g

<400> 15
 agacagcttt tgagtttatt tggcttctgg cttcactgga ncccaggagct aagactccaa 60
 ccctggctgg ggcagcagga aggcattccag agagccctgg ccccatgatga ccccccagg 120
 aggaggtcca tgctctaagc cctagggcag gggccgcagt agcaggantt ggtcaaaagt 180
 gctggtgaca gctgaggccg gccctttttc cctgcacctc ccctcctccc tgnatcacc 240
 cagcaggcaa ttccctgaga caggntctgg gtcctcccaa ccagttggggg tacagttttg 300
 gggcccant agggca 316

<210> 16
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(451)
 <223> n = a,t,c or g

<400> 16
 cctgggttttaa taagntcttg tttattttga ggaaaaaagg tcccaaacat caggctgttc 60
 acaaaaaataa cccacagtat caacttttaga aaacaaatct taagactata acactaatta 120
 tttttctaga ggatgcattt gacatgccaa ctctcattca caaaaatata ttgttacatt 180
 tgtgttgaaac tgccccacac agcacactaa tgtgagggtg taacacacat acttctaact 240
 caaagctgct ttcaagagct actcaactaa atgagattgc ctttgcagtt aggggaagcaa 300
 ctactgaact tatgtatgaa tgaaaagaac tgtactccct gcataacaag agattatttt 360
 gggagacagt tgataaaanc catacatcct ttttattgtt aagtcataaa gagggatcna 420
 aattaaangg caaaattaca gggtaagggt t 451

<210> 17
 <211> 212
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(212)
 <223> n = a,t,c or g

<400> 17
 cctgccagcc cccatgcccg gtctggagag gaagaagacc accccaaccc cctccacgaa 60
 cagcgtcctc tccaccagca caaatcgaag caggaattcc ccacttttgg agcggggccag 120
 cctcggcnagg ctccatccag aatggcaaag acagcctaac catgccaggg tcccgggcct 180
 ccacgggcttn tgcttctgcc gcagtctctg cg 212

<210> 18
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(458)
 <223> n = a,t,c or g

<400> 18
 agagcagggn nggtgttttg agttcttaag caagggcaag ctttaccagg cacttacaga 60
 gaagggtgac cgaggatgac agggaaactaa ttgggggagg gatgccatgg ttgaaaacat 120
 ggctgggggca gcgagaagtt aagatgaagt cccaagagtc gcaagaacat gcagttccag 180
 gacgtgattc tctgcaggga caaagagaga cagcagctac aagtctatag gcagtgacaa 240
 aggatctgag atcccatcag agtagacttc aagttgggag aaacctttta ttggcacagg 300
 cattccttgt taactttgac aggggtgaag ctgtaatttt tccaaaaacc agttaaaagc 360
 tgggtttctcc ctaaaacttat ttttcccttg tgggtaggtg ggagatccag tnggggtccag 420
 aaaccacttc cttgacccct ttggnntttc cttttttt 458

<210> 19
 <211> 440
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(440)
 <223> n = a,t,c or g

<400> 19
 aatggnacta gcaatacttt attattatct ttttgctgct atttttgtgt cctttacaga 60
 aagaggaagt ctgaaaagtt tagttttata atattcaagt attgaataga tttctcagta 120
 gggttacttga ggacaggaac tgacttattc atctttgtaa tctctaggct tagcatagca 180
 tgngggggctt tggacgtatt cttagtatat tccccctctgt ctcattgatag aagtcttggt 240
 aaggagacta tttttcccat aggttggttt ttatataaga tatataaggn cattatgtat 300
 cttttcactt gtttcctttgt ttcccataaa ttggacattt gttataaaaag cctgattaga 360
 ttcagggttaa acttttttgt ttttttaaag gcaggggtct caccacgggt gccacgggtg 420
 gggctttgaa ctctctggggc 440

<210> 20
 <211> 400
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = a,t,c or g

<400> 20
 aaataatttt atttgcttgg gttctacttg tttgggtttt acatactact gtggcatcct 60
 tcttttaagg atataaacta taattagaaa tgatatggaa aaaagtgact agaaaaacaaa 120
 tctgaaggct tttaaaaatt tcagagtaca ttagtaaatg ctttaaaaga caaccatcc 180
 aataacatat atgcaagtta aactacaaa ttcaatgaca taagaaaata gattggactt 240
 acttttacat tcacctctac agatactcta taatgaacac actagtatga tgataataaa 300
 gcaatcaaga acaattttatc tctcagtcgt tgtatatgtg actatctaca tattttatttc 360
 acacacacat ngccaaatac ccaccataac ttcaatccta 400

<210> 21
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(458)
 <223> n = a,t,c or g

<400> 21
 tgtgcaaata actttattac cataaacata tgaatattca tgaatagatt cccaattctg 60
 gggcactcag agagcaaaag caaatgtttc aatttttggt tacaaaagta tactttacca 120
 attgctgaag aaaaaaattc ataaatctgg agaataaaac attcaaaaaa tcagcacatt 180
 ttccaataaa aaattatgaa aacattatcc ttttggtatt tagtccaatg aaatggagtt 240
 cttttcttct ttgtcttgaa tttcatgaag gtatcagcct gttcattaaa attttgaaag 300
 ttcttagtcc agtggtatga tcttgaagtt atcaggaact tgtattcaag agtccttttc 360
 atagtctttt ccataaatct ccttggaaga aaaagcaatt ttgggactgt agctgatttt 420
 aaatactttg aggaagaatc naagcaactt tctgccag 458

<210> 22
 <211> 285
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(285)
 <223> n = a,t,c or g

<400> 22
 cacactggca tttctcataa aactttatTT ggaaaaagtt atattcaatg acccaatggt 60
 atcaaagtgg aagaggaaaag tgacaactag agattgataa ctatatcctc tgcaatcctc 120
 agaagaaaga aagggggccct ttgggttggt tcagggtaaaag tacatcaatg ggactacagg 180
 naagagaatt tcacacacgg nctttctgna ncagtaattt taatagagac ncctagtggg 240
 tancaacaac tggncagttg ntttttggtt ttttttttcc anact 285

<210> 23
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(534)
 <223> n = a,t,c or g

<400> 23
 tttttgagtt ttagagaaat agtcctttta atatgactta gaaactgctt ttctctggct 60
 ttgtttcact cttcttctc ttcccttng ccttcacctt cctccatcgt ttccacaatg 120
 agctctgctg tgcaggctgg cttctccaag actcgttgac agccttgcag gtgtacttgg 180
 catcgtcatc cccgcaaaca tcactaataa ttaaagagca gttcccgctc tcatcgtagt 240
 ctatctggaa gtggcgggac tccctgattg actggtcac tttgaaccag acaacctcgg 300
 ggtctgggta tccttcaatc ttgcagtcaa atctagcagc acttccctcc acaacttcta 360
 aatcgcaat ggtcttagag aaatagggtt ttacatgagg cttttcctca gcaacagcct 420
 caaggaaaagc ttgggacaca tcttcttcag attctagttt ttctgcattg agcgggctgg 480
 ttgggtgacc cggttgagga nttcnggcc actgagccct gagaatcatt ggcc 534

<210> 24
 <211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(564)
 <223> n = a,t,c or g

<400> 24
 gaaatgcaga aatatttatt ttggtttcct tcattgTTTT ttgaaatttt gttttggttt 60
 ataaaacata gaaatagcca aactttaag caaacattca aaaccccaag gtgacaaatt 120
 attgactttt tgtgcaatta agaatacata tatgaagtta ggctaccaag tagtgttatt 180
 acaatgacaa ttcttttagtg caagccctgt tgtgcttgta tataatacat gtactctcac 240
 agaccccaaa acagctgctt taaatgtaca aatgacagct caattcagtc aaatgtggca 300
 aagactcaca ataaagttaa ctgctgttaa tttcccaaat taactttaaa aaatccctgg 360
 gagaagttaa tcccaggaaa tgaactttcc agatttctac atcctagaat tttggcttgt 420
 caaacacatt tcatagaaat caggtagcat tataaggaac atttgcntat tacnggtcca 480
 tttcaataag gactccagta tatactcccc taatagcttt naagggaatgc ntgcctgaga 540
 ggttattttt tngggggaaa aggg 564

<210> 25
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(594)
 <223> n = a,t,c or g

<400> 25

tttttttttg	acagacttgt	agtttatttt	gtattttttt	taaataaata	cactttacat	60
taaagaaaaa	ggcctttgat	ttgtaatttc	cacaatgggg	agaaagggaa	gaaaaaaga	120
tttttgaaaa	actgaatcac	aaagaaaaat	agagggagtg	aacttatatc	ctaagttccc	180
tcaactccac	aaaaccaata	tccacaatga	ccatgctgcc	cccaaaccat	gaaggtgagt	240
gaattttaggc	atttaccag	cagacagagt	gccttcctcc	ccacctctgg	cacgaaggaa	300
aacaaattaa	cctgacagca	tatgaggcaa	caaaacaggt	taaaaaatca	tatattatat	360
ttataataaa	atattcttaa	tcottatcaa	tttaagaaac	cacgattttc	cttttcattt	420
aaatacgtat	gtaaaaatgc	ctctatatgt	tttttagaca	tcattttctt	caaagaaaat	480
gaagtgcagg	gacaagagcc	tggtggatat	aagttcatnc	cccagttata	aatgccnggt	540
tttttcctt	taaggtttat	aaaaactatt	cctggnctta	agtaagaccc	tttc	594

<210> 26
 <211> 541
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(541)
 <223> n = a,t,c or g

<400> 26

gcggtcgggt	ccgcgcgatgc	gctgtagggt	cgccgcgctt	ccctggaagt	agcaacttcc	60
ctacccacc	ccagtcctgg	tcccgtcca	gccgctgacg	tgaagatgag	cagctcanag	120
gaggtgtcct	ggatttcctg	gttctgtggg	ctccgtggca	atgaattctt	ntgtgaagtg	180
gatgaagact	acatccagga	caaatttaat	cttactggac	tcaatgagca	ggccctcac	240
tatcgacaag	ctctagacat	gatcttggac	ctggagcctg	atgaagaact	ggaagacaac	300
cccaaccaga	gtgacctgat	tgagcaggca	gccgagatgc	tttatggatt	gatccacgcc	360
cgtacatcct	taccaaccgt	ggcatcgcca	gatgttggaa	aagtaccagc	aaggagactt	420
tggttactgt	cctcgtgtgt	actgtgagaa	ccagccaatg	cttcccattg	gntttagaat	480
nccaggtgaa	gccatgtgaa	gtctactgcc	caagtgcattg	gatgtgtaac	acccaatcat	540
a						541

<210> 27
 <211> 1452
 <212> DNA
 <213> Homo sapiens

<400> 27

ttggtttctg	ctgggtgtag	gtccttggct	ggtcgggctc	cggtgttctg	cttctccccg	60
ctgagctgct	gcctggtgaa	gaggaagcca	tggcgctccg	agtcaccagg	aactcgaaaa	120
ttaatgctga	aaataaggcg	aagatcaaca	tggcaggcgc	aaagcgcggt	cctacggccc	180
ctgctgcaac	ctccaagccc	ggactgaggc	caagaacagc	tcttggggac	attggttaaca	240
aagtcagtga	acaactgcag	gccaaaatgc	ctatgaagaa	ggaagcaaaa	ccttcagcta	300
ctggaaaagt	cattgataaa	aaactaccaa	aacctcttga	aaaggtacct	atgctggtgc	360
cagtgccagt	gtctgagcca	gtgccagagc	cagaacctga	gccagaacct	gagcctgtta	420
aagaagaaaa	actttcgccct	gagcctattt	tggttgatac	tgcctctcca	agcccaatgg	480
aaacatctgg	atgtgcccct	gcagaagaag	acctgtgtca	ggctttctct	gatgtaattc	540
ttgcagtaaa	tgatgtggat	gcagaagatg	gagctgatcc	aaacctttgt	agtgaatatg	600
tgaaagatat	ttatgcttat	ctgagacaac	ttgaggaaga	gcaagcagtc	agacccaaat	660
acctactggg	tcgggaagtc	actggaaaaca	tgagagccat	cctaattgac	tggctagtac	720
aggttcaaat	gaaattcagg	ttgttgacag	agaccatgta	catgactgtc	tccattattg	780
atcggttcat	gcagaataat	tgtgtgcccc	agaagatgct	gcagctgggt	ggtgtcactg	840
ccatgtttat	tgcaagcaaa	tatgaagaaa	tgtaccctcc	agaaattggg	gactttgctt	900
ttgtgactga	caacacttat	actaagcacc	aatcagaca	gatggaaatg	aagattctaa	960

```

gagctttaa ctttgggtctg ggtcgggctc tacctttgca cttccttcgg agagcatcta 1020
agattggaga ggttgatgtc gagcaacata ctttggccaa atacctgatg gaactaacta 1080
tgttggacta tgacatgggt cactttcctc cttctcaa atacagcagga gctttttgct 1140
tagcactgaa aattctggat aatggtgaat ggacaccaac tctacaacat tacctgtcat 1200
atactgaaga atctcttctt ccagttatgc agcacctggc taagaatgta gtcattggtta 1260
atcaaggact tacaaagcac atgactgtca agaacaagta tgccacatcg aagcatgcta 1320
agatcagcac tctaccacag ctgaattctg cactagttca agatttagcc aaggctgtgg 1380
caaaggtgta acttgtaa ac ttgagttgga gtactatact ttacaaacta aaattggcac 1440
atgtgcatct gt 1452

```

```

<210> 28
<211> 421
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = a,t,c or g

```

```

<400> 28
ttttttgggt aaaaatatat tttccccgc tttatgtctt ggcactagt atatatgcat 60
agattatctg ttcaccactc tctacctta acagatgcc aattaccaag catgttgcta 120
agtgatcact ttcataatttg aaaaaatgat atgcttcaca tcaatacaat tacttttagtt 180
taaaaaagac aaatgtctaa catgcagctt acatatatga caattctgca ttaacaatga 240
aagtagatta cagcagagtt ttagaaaaca cattgggttat tttcaaacag caaaatgaca 300
aggatctaca actacagttt aaggcatatc agcatatttt aaaattaaga aatagacaaa 360
gttctaattg tgttcacagc ttttcaattt atttaaaaaa ttcccttcna tacctacata 420
c 421

```

```

<210> 29
<211> 524
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(524)
<223> n = a,t,c or g

```

```

<400> 29
gcaatgttta gaacatttta ttaaagtaca aaattgttgg aatttagcta atagaaaaac 60
atagtaaata tttacaaaaa cgttgataac attactcaag tcacacacat ataacaatgt 120
agacaggctt taacaaagtt tacaaattga aattatggag atttcccaa atgaatctaa 180
tagctcattg ctgagcatgg ttatcaatat aacatttaag atcttggatc aaatgttgct 240
cccgagtctt ctgcaatcca gtcncttag gaaattgggt tcccccttt gggagattca 300
gactcagagg nagccagang ggacagggtc agagctgaat taatcacata actactcnaa 360
ttttcctcat tctattgact gngtccagg tatabacaca gcccaaagt gtttttcttc 420
gggcctcngg atgatttgan gaagatgaag aacatgagca atttctcatt gcttaaagga 480
aaacctnggc acataagagg ctgagtgtag tagagtancg gtac 524

```

```

<210> 30
<211> 374
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(374)
<223> n = a,t,c or g

```

<400> 30

tttttcaggt	aaactgggtca	tttattagca	gtggtacaac	tgtttggcat	aacaggtttc	60
cagtaaatag	gcatggagtt	gcatggcggt	gacagagcca	ggcgcaggtg	caggcgaggtg	120
cagcatctct	cacttcttcc	actcgttctt	ttcgtagtc	cacttggagg	ctaagccctg	180
ggatgggggt	caccttcatg	tccagcatcc	tcttgggtctg	cttggccacc	cactctttgt	240
caaagctttg	cggngagggg	gccgtacaca	tagtgcttct	gccacatgat	aacgagcgcg	300
gtgaaacat	gaagaacatg	ggcacccgcc	acaaccgtct	ttccactcgt	tcgagcccct	360
gttcatntca	ggca					374

<210> 31

<211> 5189

<212> DNA

<213> Homo sapiens

<400> 31

tgtgcgcgg	ggaggcgccg	gcttgtactc	ggcagcgccg	gaataaagtt	tgctgatttg	60
gtgtctagcc	tggatgcctg	ggttgagccc	ctgcttgttg	tggcgctcca	cagtcacccg	120
gctgaagaag	acctgttggg	ctggatcttc	tccgggtttc	tttcagatat	tgttttgtat	180
ttacccatga	agacattggt	ttttggactc	tgcaaatagg	acatttcaaa	gatgagtgaa	240
aaaaaattgg	aaacaactgc	acagcagcgg	aaatgtcctg	aatggatgaa	tgtgcagaat	300
aaaagatgtg	ctgtagaaga	aagaaaggca	tgtgttcgga	agagtgtttt	tgaagatgac	360
ctccccctct	tagaattcac	tggatccatt	gtgtatagtt	acgatgctag	tgattgctct	420
ttcctgtcag	aagatattag	catgagtcta	tcagatgggg	atgtgggtggg	atttgacatg	480
gagtggccac	cattatacaa	tagagggaaa	cttggcaaaag	ttgcactaat	tcagtttgtgt	540
gtttctgaga	gcaaattgta	cttgttccac	gtttcttcca	tgtcagtttt	tccccaggga	600
ttaaaaatgt	tgcttgaaaa	taaagcagtt	aaaaaggcag	gtgtaggaat	tgaaggagat	660
cagtggaaac	ttctacgtga	ctttgatatc	aaattgaaga	atthttgtgga	gttgacagat	720
gttgccaata	aaaagctgaa	atgtacagag	acctggagcc	ttaacagtct	ggttaaaccac	780
ctcttaggta	aacagctcct	gaaagacaag	tctatccgct	gtagcaattg	gagtaaatth	840
cctctcactg	aggaccagaa	actgtatgca	gccactgatg	cttatgctgg	ttttattatt	900
taccgaaatt	tagagatttt	ggatgatact	gtgcaaaggt	ttgctataaa	taaagaggaa	960
gaaatcctac	ttagcgacat	gaacaaacag	ttgacttcaa	tctctgagga	agtgatggat	1020
ctggctaagc	atcttctca	tgctttcagt	aaattggaaa	acccacggag	ggtttctatc	1080
ttactaaagg	atatttcaga	aaatctatat	tcactgagga	ggatgataat	tgggtctact	1140
aacattgaga	ctgaactgag	gcccagcaat	aattttaaact	tattatcctt	tgaagattca	1200
actactgggg	gagtacaaca	gaaacaaatt	agagaacatg	aagttttaat	tcacgttgaa	1260
gatgaaacat	gggacccaac	acttgatcat	ttagctaaac	atgatggaga	agatgtactt	1320
ggaaataaag	tggaaagaaa	agaagatgga	tttgaagatg	gagtagaaga	caacaaattg	1380
aaagagaata	tggaaagagc	ttgtttgatg	tcgttagata	ttacagaaca	tgaactccaa	1440
atthttggaac	agcagtctca	ggaagaatat	cttagtgata	ttgcttataa	atctactgag	1500
catttatctc	ccaatgataa	tgaaaacgat	acgtcctatg	taattgagag	tgatgaagat	1560
ttagaaatgg	agatgcttaa	gcatttatct	cccaatgata	atgaaaacga	tacgtcctat	1620
gtaattgaga	gtgatgaaga	tttagaaatg	gagatgctta	agtctttaga	aaacctcaat	1680
agtggcacgg	tagaaccaac	tcattctaaa	tgcttaaaaa	tggaaagaaa	tctgggtctt	1740
cctactaaag	aagaagaaga	agatgatgaa	aatgaagcta	atgaagggga	agaagatgat	1800
gataaggact	ttttgtggcc	agcaccat	gaagagcaag	ttacttgcc	caagatgtac	1860
tttgccatt	ccagttttaa	accagttcag	tggaaagtga	ttcattcagt	attagaagaa	1920
agaagagata	atgttgctgt	catggcaact	ggatatggaa	agagtthtg	cttcagtat	1980
ccacctgttt	atgtaggcaa	gattggcctt	gttatctctc	cccttatttc	tctgatggaa	2040
gaccaagtgc	tacagcttaa	aatgtccaac	atcccagctt	gcttcccttg	atcagcacag	2100
tcagaaaatg	ttctaacaga	tattaaatta	ggtaaatacc	ggattgtata	cgtaactcca	2160
gaatactgtt	caggtaacat	gggcctgctc	cagcaacttg	aggctgatat	tggtatcacg	2220
ctcattgctg	tggatgaggc	tcactgtatt	tctgagtggg	ggcatgattt	tagggattca	2280
ttcaggaagt	tgggtccct	aaagacagca	ctgccaatgg	ttccaatcgt	tgcaacttact	2340
gctactgcaa	gttcttcaat	ccgggaagac	attgtacgtt	gcttaaactc	gagaaatcct	2400
cagatcacct	gtactggtt	tgatcgacca	aacctgtatt	tagaagttag	gcgaaaaaca	2460
gggaatatcc	ttcaggatct	gcagccattt	cttgtcaaaa	caagttccca	ctgggaattt	2520
gaaggtccaa	caatcatcta	ctgtccttct	agaaaaatga	cacaacaagt	tacaggtgaa	2580
cttaggaaac	ttaatctatc	ctgtggaaca	taccatgcgg	gcatgagttt	tagcacaagg	2640
aaagacattc	atcataggtt	tgtaagagat	gaaattcagt	gtgtcatagc	taccatagct	2700
tttggaatgg	gcattaataa	agctgacatt	cgccaagtca	ttcattacgg	tgctcctaag	2760

gacatggaat	catattatca	ggagattggt	agagctggtc	gtgatggact	tcaaagttct	2820
tgtaacgtcc	tctgggctcc	tcgacacatt	aacttaaata	ggcaccttct	tactgagata	2880
cgtaatgaga	agtttcgatt	atacaaatta	aagatgatgg	caaagatgga	aaaatatctt	2940
cattctagca	gatgtaggag	acaaatcatc	ttgtctcatt	ttgaggacaa	acaagtacaa	3000
aaagcctcct	tgggaattat	gggaactgaa	aaatgctgtg	ataattgcag	gtccagattg	3060
gatcattgct	attccatgga	tgactcagag	gatacatcct	gggacttttg	tccacaagca	3120
tttaagcttt	tgtctgctgt	ggacatctta	ggcgaaaaat	ttggaattgg	gcttccaatt	3180
ttattttctcc	gaggatctaa	ttctcagcgt	cttgccgata	aatatcgag	gcacagttta	3240
tttggcactg	gcaaggatca	aacagagagt	tggtggaagg	ctttttcccg	tcagctgata	3300
actgagggat	tcttggtaga	agttttctcg	tataacaaat	ttatgaagat	ttgcgcctct	3360
acgaaaaagg	gtagaaattg	gcttcataaa	gctaatacag	aatctcagag	cctcatcctt	3420
caagctaattg	aagaattgtg	tccaaagaag	tttcttctgc	ctagttcgaa	aactgtatct	3480
tcgggcacca	aagagcattg	ttataatcaa	gtaccagttg	aattaagtac	agagaagaag	3540
tctaacttgg	agaagttata	ttcttataaa	ccatgtgata	agattttctt	tgggagtaac	3600
attttctaaaa	aaagtatcat	ggtacagtca	ccagaaaaag	cttacagttc	ctcacagcct	3660
gttattttcgg	cacaagagca	ggagactcag	attgtgttat	atggcaaatt	ggtagaagct	3720
aggcagaaac	atgccaataa	aatggatggt	ccccagcta	ttctggcaac	aaacaagata	3780
ctggtggata	tggccaaaaat	gagaccaact	acggttgaaa	acgtaaaaag	gattgatggt	3840
gtttctgaag	gcaaagctgc	catggttgcc	cctctgttgg	aagtcatcaa	acattttctgc	3900
caaacaataa	tgcttcagac	agacctcttt	tcaagtacaa	aacctcaaga	agaacagaag	3960
acgagtctgg	tgcacaaaaa	taaaatatgc	acactttcac	agtctatggc	catcacatac	4020
tctttatttcc	aagaaaaagaa	gatgcctttg	aagagcatag	ctgagagcag	gattctgcct	4080
ctcatgacaa	ttggcatgca	cttatcccaa	gcggtgaaag	ctggctgccc	ccttgatttg	4140
gagcgagcag	gcctgactcc	agaggttcag	aagattattg	ctgatgttat	ccgaaaccct	4200
cccgtcaact	cagatatgag	taaaattagc	ctaatacagaa	tgttagtctc	tgaaaacatt	4260
gacacgtacc	ttatccacat	ggcaattgag	atccttaaac	atggtcctga	cagcggactt	4320
caaccttcat	gtgatgtcaa	caaaaggaga	tgttttcccg	gttctgaaga	gatctgttca	4380
agttctaaga	gaagcaagga	agaagtaggc	atcaatactg	agacttcata	tcgagagaga	4440
aagagacgat	tacctgtgtg	gtttgccaaa	ggaagtgata	ccagcaagaa	attaatggac	4500
aaaacgaaaa	ggggaggtct	ttttagttaa	gctggcaatt	accagaacaa	ttatgtttct	4560
tgctgtatta	taagaggata	gctatatttt	atctctgaag	agtaaggagt	agtatttttg	4620
cttaaaaaatc	attctaatta	caaagttcac	tgtttattga	agaactggca	tcttaaatca	4680
gccttcgcga	attcatgtag	tttctgggtc	ttctgggagc	ctacgtgagt	acatcaccta	4740
acagaatatt	aaattagact	tcctgtaaga	ttgctttaag	aaactgttac	tgctctgttt	4800
tctaattctct	ttattaaaaac	agtgtatttg	gaaaatgtta	tggtctctga	tttgatatag	4860
ataacagatt	agtagttaca	tggttaattat	gtgatataaa	atattcatat	attatcaaaa	4920
ttctgttttg	taaatgtaag	aaagcatagt	tattttacaa	attgttttta	ctgtcttttg	4980
aagaagttct	taaatacgtt	gttaaatggt	attagttgac	cagggcagtg	aaaatgaaac	5040
cgcatttttg	gtgccattaa	atagggaaaa	aacatgtaaa	aaatgtaaaa	tggagaccaa	5100
ttgcactagg	caagtgtata	ttttgtattt	tatatacaat	ttctattatt	tttcaagtaa	5160
taaaacaatg	tttttcatac	tgaatatta				5189

<210> 32
 <211> 459
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(459)
 <223> n = a,t,c or g

<400> 32						
ttttttccag	gaaaaaaaatt	aaatctttat	ttttaaaaaat	cccacaaatc	cataatgaaa	60
tcatcatctg	aaaaaaaaaga	tggtagggaa	caaaacgtgg	gatacattta	aaaggcacta	120
gattcattaa	taccagagcc	attctggaga	tgccatgtaa	gaaatctgga	gttactctaa	180
atcttcttct	tagtggatc	agaactgggg	agaagggtcc	aagcaaaagt	ttgcctttgc	240
cagtgtattc	ggatcgaggt	tatgaggaag	agcccttttc	ctttgtcagt	gagtttcatg	300
ttggtccacc	actccagcgc	tgacagctcc	ccgatggccc	tgctatcgta	tctcaggacc	360
tccttcagga	tgtgcgttgt	gtgctgccga	cagggggggcg	gcctggctct	gacacttgan	420
ttactgtact	cacactgggc	tatgaagtac	acagttaga			459

<210> 33
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 33
 gaccgtgccca ttgcaactcca gcctgggtga caagagtga actccatctc aaaaaaaaaa 60
 aaagaaaaag aaaaagaaag aaagaaatga gtccataggc agaaaccact agtaatcacc 120
 aacatctgtg ctctcactt cttcctgggc acactgctag actgcatttt ccagtctcct 180
 ttgaggtttag gtgtggacaa gggactaaat tctacccatt ggaaacatta cgtccagacc 240
 tggcctatta aaacattcta catgggatgc tccttttctt ttcccatctg ctggctggaa 300
 ggagaagatc caagaaccta aaggagggtg gagccacaag g 341

<210> 34
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 34
 gataaaccaa agtctcacc ttggtctgca agtccacgca tgatttagcc caggctgctt 60
 ccttagcatc aactcttgct acattcccct tgctcagtgct attccatcta tgccggcctt 120
 tgtgctattc ctagaacaga acaagggaatt gcacctcagg ctcttttaca ttttcagttc 180
 cgtctgtctg gactactctt cttcatcccc atcttttatgg ctagattcct cacttcacgc 240
 gggctctgtac taagaacatc ac 262

<210> 35
 <211> 509
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(509)
 <223> n = a,t,c or g

<400> 35
 attanntntg ggcacatttc tgcccacctt ctttttattt tttaaacaat acacttttgt 60
 tagtgcttat tttgtggcag gcaccaggca gtaccagggt gggggcagaa ataaatcaaa 120
 gtccttgctc ttgaaaaaca atctcttgct ggaaggctgg attcagtaga ctgcttgggc 180
 aggcttggga aggacccagg gtgagcacag catccaccag ggctggctgg gcaggtaggg 240
 aggcaggcag ccagagcagc ttggcatccc aacctggggc tntagcgggg ttcgggggtt 300
 tcgagcagtc aggggcatgc tccaggggat ccggcttcac cttgggttag ggtcccggtc 360
 acagatccag gttcatggat gcgctgtttg ctttttcagg tacttgggtt naggggaagn 420
 cccccctna gttggggcnt ttttnggcaa ggaggcagcc ctgccccagc agggcttnca 480
 gggttttttt ccagattttc cagggggtg 509

<210> 36
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(458)
 <223> n = a,t,c or g

<400> 36
 acccatggga ggtntntaaat ggggtgggtc atattattcc cattttaaca ggagataatt 60
 aaaccttgcc tggagttaca cactgactat ttgaaaagcc aggagtaaat tacaagtctt 120
 gacaatgggtg ccatgtctgc cagtcagggc agtgttctgc tgatggcact gattcatcag 180
 tccctgggtt aatgcccagg cataaatgtc taatttgaaa atccttttta aatgtaatgt 240

ggcagattgt	gaagggtggt	tgctaattag	agaagaagga	taacataggc	aaggacattt	300
ccatccctgg	gtgggtttac	ccttttttaa	caaaaacata	ccagtgaaaa	gtaggaaaaag	360
gaaaatcata	cattatgggt	tgaataactg	tttactatgg	ggctacttng	gtgcccagtc	420
cncttgctag	ggnaccctgn	aagggtgaaa	gccaggtta			458

<210> 37
 <211> 3960
 <212> DNA
 <213> Homo sapiens

<400> 37

cggttagcgc	gcctgggagg	gagaaaagaag	tggggggccg	tggcgcgcgag	cccgcggggc	60
ctgaagggat	gttcgaggac	aagccccacg	ctgagggggc	ggcgttggtc	gccgcagccg	120
gggagggcgt	acaggccctg	tgccaggagc	tgaacctgga	cgaggggagc	gcggccgaag	180
ccctggacga	ctttactgcc	atccgaggca	actacagcct	agagggagaa	gttacacact	240
ggttggcatg	ttcattatat	gttgcattgc	gcaaaagcat	tattcccacg	gttggaagg	300
gtatcatgga	aggcaactgt	gtttcactta	ccagaatact	acgttcagct	aaattaagtt	360
taatacaatt	ttttagtaaa	atgaagaaat	ggatggacat	gtcaaatcta	ccacaagaat	420
ttcgtgaacg	tatagaaagg	ctagagagaa	attttgaggt	gtctactgta	atattcaaaa	480
aatatgagcc	aattttttta	gatataattc	aaaatccata	tgaagaacca	ccaaagttaac	540
cacgaagccg	gaagcagagg	aggattcctt	gcagtgttaa	ggatctgttt	aatttctgtt	600
ggacactttt	tgttttatact	aagggttaatt	ttcggatgat	tggggatgac	ttagtaaaact	660
cttatcattt	acttctatgc	tgcttggatc	tgatttttgc	caatgcgatt	atgtgcccaa	720
atagacaaga	cttgctaaat	ccatcattta	aaggtttacc	atctgatttt	catactgctg	780
actttacggc	ttctgaagag	ccaccctgca	tcattgctgt	actgtgtgaa	ctgcatgatg	840
gacttctcgt	agaagcaaaa	ggaataaagg	agcactactt	taagccatat	atttcaaaac	900
tctttgacag	gaagatatta	aaaggagaat	gcctcctgga	cctttcaagt	tttactgata	960
atagcaaagc	agtgaataag	gagtatgaag	agtatgttct	aactgtttgt	gattttgatg	1020
agaggatcct	tttgggagca	gacgcagaag	aggaaattgg	aacacctcga	aagttcactc	1080
gtgacacccc	attagggaaa	ctgacagcac	aggctaattg	ggagtataac	cttcaacagc	1140
actttgaaaa	aaaaagggtca	tttgacacct	ctaccccact	gaocggacgg	agatatattac	1200
gagaaaaaga	agcagtcatt	actcctgttg	catcagccac	ccaaagtgtg	agccgggttac	1260
agagtattgt	ggctgggtctg	aaaaatgcac	caagtgaacca	acttataaat	atttttgaat	1320
cttgtgtgcg	taatcctggt	gaaaacatta	tgaaaatact	aaaaggaata	ggagagactt	1380
tctgtcaaca	ctatactcaa	tcaacagatg	aacagccagg	atctcacata	gactttgctg	1440
taaacagact	aaagctggca	gaaattttgt	attataaaat	actagagact	gtaatggttc	1500
aggaaacacg	aagacttcat	ggaatggaca	tgtcagttct	tttagagcaa	gatataatttc	1560
atcgttcctt	gatgacttgt	tgtttggaat	ttgtgctcct	tgccctatagc	tcacctcgta	1620
cttttccttg	gattattgaa	gttctcaact	tgcaaccatt	ttacttttat	aaggtttattg	1680
aggtggtgat	ccgctcagaa	gaggggctct	caaggacat	ggtgaaacac	ctaaacagca	1740
ttgaagaaca	gattttggag	agtttagcat	ggagtcacga	ttctgcactg	tgggaggctc	1800
tccagggtttc	tgcaaacaaa	gttccctacct	gtgaagaagt	tatatccca	aataactttg	1860
aaacaggaaa	tggaggaaat	gtgcaggagc	atcttcccct	gatgccaatg	tctcctctaa	1920
tgcacccaag	agtcaaggaa	gttcgaactg	acagtgggag	tcttcgaaga	gatatgcaac	1980
cattgtctcc	aatttctgtc	catgaacgct	acagttctcc	taccgcaggg	agtgtcaaga	2040
gaagactctt	tggagaggac	ccccaaagg	aaatgcttat	ggacaagatc	ataacagaag	2100
gaacaaaatt	gaaaatcgct	ccttcttcaa	gcattactgc	tgaaaatgta	tcaattttac	2160
ctggtcaaac	tcttctaaca	atggccacag	ccccagtaac	aggaacaaca	ggacataaag	2220
ttacaattcc	attacatggt	gtcgcaaatg	atgctggaga	gatcacactg	atacctcttt	2280
ccatgaatac	aaatcaggag	tccaaagtca	agagtctgtg	atcacttact	gtcattcat	2340
taattggtgc	ttctccaaaa	cagaccaatc	tgactaaagc	acaagaggta	cattcaactg	2400
gaataaacag	gccaaagaga	actgggtcct	tagcactatt	ttacagaaag	gtctatcatt	2460
tggcaagtgt	acgcttacgt	gatctatgtc	taaaactgga	tgtttcaaat	gagttacgaa	2520
ggaagatatg	gacgtgtttt	gaattcactt	tagttcactg	tcctgatcta	atgaaagaca	2580
ggcattttga	tcagctcttc	ctttgtgcct	tttatatcat	ggcaaaggta	acaaaagaag	2640
aaagaacttt	tcaagaaatt	atgaaaagtt	ataggaatca	gccccagct	aatagtcacg	2700
tatatagaag	tgttctgctg	aaaagtattc	caagagaagt	tgtggcatat	aataaaaaata	2760
taaatgatga	ctttgaaatg	atagattgtg	acttagaaga	tgctacaaaa	acacctgact	2820
gttccagtg	accagtgaag	gaggaaagaa	gtgatcttat	aaaatttttac	aatacaatat	2880
atgtaggaag	agtgaagtca	tttgactga	aatacgactt	ggcgaatcag	gaccatatga	2940
tggatgctcc	accactctct	ccttttccac	atattaaaca	acagccaggc	tcaccacgcc	3000

```

gcatttccca gcagcactcc atttatatatt ccccgcacaa gaatgggtca ggccttacac 3060
caagaagcgc tctgctgtac aagttcaatg gcagcccttc taagagtttg aaagatatca 3120
acaacatgat aaggcaaggt gagcagagaa ccaagaagcg agtaatagcc atcgatagt 3180
atgcagaatc ccctgccaaa cgcgtctgtc aagaaaaatga tgacgtttta ctgaaacgac 3240
tacaggatgt tgtcagtga agagcaaadc attaatgttg ttcttgtttc tatgataaaa 3300
gcactttcag attgttctgc agaaagttgg agctctgtcc ttcaaaccct ttagccctat 3360
agatgataaa tatcactggg ttataagaaa aaattgcaca aaaattatgt gctttttaaa 3420
atatttatcc aaaatgtagt tgacagagat gtattttgag ttggattgga aaggaatatt 3480
ttaagtgcct tttaaaaata ctaatagtcc ggccaggcgc tgtgggtcac gcctctaadc 3540
ccaggacttt gggaggccaa ggcgggcaga tcaccggagt caggagttcg agaccagcct 3600
gaccaacatg gagaaacccc atctctacta aaaatacaaa attagccggg tgggtgtggcg 3660
catgcctata atcccagcta cttgggaggg tgaggcagaa ttgcttgaac ccaggaagcg 3720
gaggttgttg tgagccaagg ttgcgccact gcactccagc ctgggcaaca agagtataac 3780
tccatctcaa aaaatatata tatatatata aatagggaat tttttttaat gtttgctcct 3840
tgagttttca agatgaaata aggagaaacc ccataacttt ttagctctct tttaaaaata 3900
aatgtctcct tctgtgttct gtaatatgag gataaataat ctgcttttga tagcaaaaaa 3960

```

```

<210> 38
<211> 595
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(595)
<223> n = a,t,c or g

```

```

<400> 38
gaaggctcag cattctttgc ttttattctc aaattttataa aagaaaaattt aacaaaaactt 60
ttacattaaa cattcattaa ttcaaaatct gaaatggatt attaatcat atattggaga 120
gaatgaaaaa agtttttaaaa catttttaaac atgttatagt gctgggaagg gaacagtgtg 180
ccctccttaa atgacacgga agggggaggt aagtaatggg tagagaaagg tgcgtccctg 240
actagggtc caccacaaca gacctagggt aggacaggca ctctgcttt cccgtccaaa 300
tgttgcattt ccaagaccac cccgaccgcg catgtcccca tcctgggcct ataaaaacc 360
gagaccctag caggcagaca cacaggcggc cagacgtaaa gaggagcaca tcggcggaag 420
aaagtggctg gtcgtcgaga ggagcacgcc agcagaagag cacaacgata ggcaccgcga 480
cgccggcagc ggtcgacaga acgacaacga cgcggagttt ggctggggca gacggaggag 540
agcctggcca ncaagcgggc caantcaggg ggaaccatc tccctctggg ttccc 595

```

```

<210> 39
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = a,t,c or g

```

```

<400> 39
gcagacagtn tgttatttta ttgcacagat ttcacttcaa gaataaaatg caccatcagt 60
atttgagag tttgggtct cagatactga tataccatca gtgtttacac ccgtaaagcc 120
aaattcaaca gtacaattta tgtaaaca catcacttca agatggctaa cantacaant 180
agagagaaaa gtgggggaaa gctttaaaan tgtgttagtt tgaagcntat gaaaatgtac 240
gnntaaaaaac tacatcatc aaacctgaan tcaaaantgt tttgtgggaa catcagttag 300
gagttatact cacttgact gttatttatt gcataaagtc tatgggggn tcattttccn 360
tcatattgga tgganttgag ggnntttcng ggggaaaccc tggggtttta aaaaat 416

```

<210> 40
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(502)
 <223> n = a,t,c or g

<400> 40
 tatttttattt caaatattt ttatgccaga tccaagctgt aactggaacc tattcccagt 60
 ctatgggttt ctgaattttca ttttcctatt tattgtattt ttatgagaaa cttgtttgtaa 120
 tgagtctgta ccacttttatt tgacattttac taaagctgta taaaagccat gcacagttta 180
 tttacagtat tgtacattaa atgataatgt ttgaagatca cacaaagatt tcacaaaact 240
 ataactaata cagaaagatg tgtgaaaaca ttaggggctt tcaaaatttt aggtatggaa 300
 ttttgcaaag attatttttg cttataagtg ttaggcaatc actaacctga aataagtgac 360
 anaaacatgc agatgattac catttcaaca aattgaaaac ctataaatgt ctagctaaaa 420
 gctaaaatat tgtgtagctg aaatactacc atataaccat ggggatttat aaaacaggan 480
 aaaaggttat tccttaaaag tc 502

<210> 41
 <211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(338)
 <223> n = a,t,c or g

<400> 41
 ncnntnccat gtcggcccca gtcacgncat actgancatc tgaccgggat atagtgtggg 60
 tccacacatc agtcccgaca cnaatgtgat gtggcacata aggattctcc gcatanacac 120
 agcgacaatc tcgtcngcat agtggttagt atgatcnaca tgggcccgat ccatctaacg 180
 gcgcacgcgg gaccacttgt cctnataggt aatgccctgg ctacatgcta cttctttact 240
 gtncccccac cccanctaca ccgaontntt tnccgggtcta natacactca atatgctgcc 300
 cctgccttca tcgaacngtc tgcactnata tactgcan 338

<210> 42
 <211> 542
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(542)
 <223> n = a,t,c or g

<400> 42
 ccacagtgga tggcttttgc ccagcgggtg accagtgtgt acctgacatg tatcagactt 60
 ctgagctctt caagctgcct caaagaatga atcttttttag tctagaaaaat gtgtttattt 120
 gataaatata ctattgtgta tgagtgtgaa acaatgcaga ctttggagta tctcattaga 180
 aggactgtat gaatttatag aaaattgaat ctaatttcag aagagcgcac tgtcttctca 240
 gtcaacaagg ttgccagcc acagagggtc agagaaaatg tcctttcccc tccccactcc 300
 ttttcataga atcctctctc aggcctaact gagctgtcat atccatttca gactgacaca 360
 gagtgagggg cgctgagagt ctctatgtat ataaaggat agggaggaaa ttaaggttct 420
 tcacagggat ctgtttgggc ttntcccctg gactgtgatt cttacccttg ttttggantc 480
 ccaaccttta aatttattat tattatggtt tcttgcnngt tttcaggaaan tttgtttaaa 540
 tg 542

<210> 43
 <211> 3702
 <212> DNA
 <213> Homo sapiens

<400> 43

aattagagta	gaagttgtcg	gggtccgctc	ttaggacgca	gccgcctcat	gggggtccag	60
gggctctgga	agctgctgga	gtgctccggg	cggcagggtca	gccccgaagc	gctggaaggg	120
aagatcctgg	ctgttgatat	tagcatttgg	ttaaaccaag	cacttaaagg	agtcggggat	180
cgccacggga	actcaataga	aaatcctcat	cttctcactt	tgtttcatcg	gctctgcaaa	240
ctcttatttt	ttcgaattcg	tcctattttt	gtgtttgatg	gggatgctcc	actattgaag	300
aaacagactt	tgggtgaagag	aaggcagaga	aaggacttag	cgtccagtga	ctccaggaaa	360
acgacagaga	agcttctgaa	aacatttttg	aaaagacaag	ccatcaaaac	tgcccttcaga	420
agcaaaagag	atgaagcact	acccagtctt	acccaagttc	gaagagaaaa	cgacctctat	480
gttttgcttc	ctttacaaga	ggaagaaaaa	cacagttcag	aagaggaaga	tgaaaaagaa	540
tggcaagaaa	gaatgaatca	aaaacaagca	ttacaggaag	agttctttca	taatcctcaa	600
gcgatagata	ttgagtctga	ggacttcagc	agcctgcccc	ctgaagtaaa	gcatgaaatc	660
ttgactgata	tgaaagagtt	caccaagcgc	agaagaacat	tatttgaaagc	aatgccagag	720
gagtctgatg	actttttcaca	gtaccaactc	aaaggcttgc	ttaaaaaagaa	ctatctgaac	780
cagcatatag	aacatgtcca	aaaggaagtg	aatcagcaac	attcaggaca	catccgaagg	840
cagtatgaag	atgaaggggg	ctttctgaag	gaggtagagt	caaggagagt	ggtctctgaa	900
gacacttcac	attacatctt	gataaaaagg	attcaagcta	agacagttgc	agaagtggat	960
tcagagtctc	ttccttcttc	cagcaaaatg	cacggcatgt	cttttgacgt	gaagtcactc	1020
ccatgtgaaa	aactgaagac	agagaaagag	cctgatgcta	cccctccttc	tccaagaact	1080
ttactagcta	tgcaagctgc	cctgctggga	agtagctcag	aagaggagct	ggagagtga	1140
aatcgaaggc	aggcccgtgg	gaggaacgca	cctgctgctg	tagacgaagg	ctccatatca	1200
ccccggactc	tttcagccat	taagagagct	cttgacgatg	acgaagatgt	aaaagtgtgt	1260
gctggggatg	atgtgcagac	gggagggcca	ggagcagaag	aatgcggtat	aaacagctcc	1320
accgagaaca	gtgatgaagg	acttaaagtg	agagatggaa	aaggaatacc	gtttactgca	1380
acacttgctg	catctagtgt	gaactctgca	gaggagcacg	tagccagcac	taatgagggg	1440
agagagccca	cagactcagt	tccaaaagaa	caaagtctac	ttgttcacgt	ggggactgaa	1500
gcctttccga	taagtgtatg	gtctatgatt	aaggacagaa	aagatcgggt	gcctctggag	1560
agtgcagtgg	ttagacatag	tgacgcacct	gggctcccga	atggaaggga	actgacaccg	1620
gcatctccaa	cttgtacaaa	ttctgtgtca	agaatgaaa	cacatgctga	agtgcttgag	1680
cagcagaacg	aactttgccc	atatgagagt	aaattcgatt	cttctcttct	ttcaagtgat	1740
gatgaaacaa	aatgtaaacc	gaattctgct	tctgaagtca	ttggccctgt	cagtttgcaa	1800
gaaacaagta	gcatagtaag	tgtcccttca	gaggcagtag	ataatgtgga	aaatgtggtg	1860
tcatttaatg	ctaaagagca	tgagaatttt	ctggaaacca	tccaagaaca	gcagaccact	1920
gaatctgcag	gccaggattt	aatttccatt	ccaaaggccg	tggaaaccaat	ggaaattgac	1980
tcggaagaaa	gtgaattctga	tggaaagttc	attgaagtgc	aaagtgtgat	tagttagtag	2040
gaacttcaag	cagaattccc	tgaacttcc	aaacctccct	cagaacaagg	cgaagagaaa	2100
ctggtaggaa	ctagggaggg	agaagcccc	gctgagtcgc	agagcctcct	gagggacaac	2160
tctgagaggg	acgacgtgga	tggtagacca	caggaagctg	agaaagatgc	ggaagattcg	2220
ctccatgaat	ggcaagatat	taatttgag	gagttggaaa	ctctggagag	caacctctta	2280
gcacagcaga	attcactgaa	agctcaaaaa	cagcagcaag	aacggatcgc	tgctactgtc	2340
accggacaga	tgttcctgga	aagccaggaa	ctcctgcgcc	tgttcggcat	tcctacatc	2400
caggctccca	tggaagcaga	ggcgagctgc	gccatcctgg	acctgactga	tcagacttcc	2460
ggaaccatca	ctgatgacag	tgatatctgg	ctgtttggag	cgcggcagtgt	ctatagaaac	2520
ttttttaata	aaaataagtt	tgtagaatat	tatcaatatg	tggactttca	caatcaattg	2580
ggattggacc	ggaataagtt	aataaatttg	gcttatttgc	ttggaagtga	ttataccgaa	2640
ggaataccaa	ctgtgggttg	tgtaacccgc	atggaaattc	tcaatgaatt	ccctgggcat	2700
ggcctggaac	ctctcctaaa	attctcagaa	tggtagcatg	aagctcaaaa	aaatccaaag	2760
ataagaccta	atcctcatga	caccaaagtg	aaaaaaaaat	tacggacatt	gcaactcacc	2820
cctggctttc	ctaaccagc	tgttgccgag	gcctacctca	aacctgtgg	ggatgactcg	2880
aagggatcct	ttctgtgggg	gaaacctgat	ctcgacaaaa	ttagagaatt	ttgtcagcgg	2940
tatttcgggt	ggaacagaac	gaagacagat	gaatctctgt	ttcctgtatt	aaagcaactc	3000
gatgcccgag	agacacagct	ccgaattgat	tccttcttta	gattagcaca	acaggagaaa	3060
gaagatgcta	aacgtattaa	gagccagaga	ctaaacagag	ctgtgacatg	tatgctaagg	3120
aaagagaaaag	aagcagcagc	cagcgaaata	gaagcagttt	ctgttgccat	ggagaaagaa	3180
tttgagctac	ttgataaggc	aaaacgaaaa	accagaaga	gaggcataac	aaatacctta	3240
gaagagtcac	caagcctgaa	aagaaagagg	ctttcagatt	ctaaacgaaa	gaatacatgc	3300

ggtggatttt	tgggggagac	ctgcctctca	gaatcatctg	atggatcttc	aagtgaagat	3360
gctgaaagtt	catctttaat	gaatgtacaa	aggagaacag	ctgcgaaaga	gccaaaaacc	3420
agtgcctcag	attcgcagaa	ctcagtgaag	gaagctcccg	tgaagaatgg	aggtgcgacc	3480
accagcagct	ctagtgatag	tgatgacgat	ggaggggaaag	agaagatggg	cctcgtgacc	3540
gccagatctg	tgtttgggaa	gaaaagaagg	aaactaagac	gtgcgagggg	aagaaaaagg	3600
aaaaccta	taaaaaatat	gtatcctcta	taattagtta	tgacagccat	ttgtaatgaa	3660
tttgtcgcaa	agacgtaata	aaattaactg	gtagcacggg	ca		3702

<210> 44

<211> 644

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(644)

<223> n = a,t,c or g

<400> 44

aactgctggt	ggaaggcctc	cctgggcctg	gccccaccct	ctgccaccca	gtcctcccag	60
ctgccatggt	tcaaagacga	cctttacctc	ctgcctttgg	attgactctg	catttgacca	120
cggactccag	tctgtgtgta	gggagagagc	tgagtaggag	gcctccactc	cggatcgagg	180
cctgtatagg	gctcgtttcc	ccacacatgc	ctatttctga	agaggcttct	gtcttatttg	240
aaggccagcc	cacacccagc	tactttaaca	ccaggtttat	ggaaaatgtc	aggccttccc	300
cacaactcct	gtctaactgc	tgtcgcccc	ctacttgctg	gctctcagaa	gcctagggga	360
gtccctgtgg	tctgaattc	tttcccaaaa	gacgaccagc	atttaaccaa	cctaagggcc	420
caaaaggctt	ggacnactgc	atggagctgc	actctaggag	aaggagggga	ancagatggt	480
agattagggg	aaggagcagg	agtgttcctc	ccgtcagtgc	taaccaactg	tgaagcagct	540
tctgatggct	tgccaacttt	cccagaacca	gggangctga	gntttaattt	aantgctgct	600
aatgaaagc	gggctgcaag	ccgatanact	aanggggctn	ttaa		644

<210> 45

<211> 496

<212> DNA

<213> Homo sapiens

<400> 45

taatataaat	tatagcttta	ttttttaaaa	agattttata	agtctgtcac	aacctcaaac	60
acatataggt	gaattattta	ttcctctctt	ccatcagatg	aggcttatcg	tgtcaaatcc	120
tctgaaaaat	ataagtaaaa	attatttttc	acaaatata	atcccctata	ttactcaact	180
tagttctgaa	attttctcct	tataaatact	ttaacacagc	tgctagtgga	aggactgtgt	240
tgtgcagctg	cacatagcta	taattttata	agtctgcttt	acttttgcta	gctccctggt	300
tcagctccaa	ggtccaaatc	ttataaatgg	ttaactgggc	tgccagaaaa	gccactgaa	360
tgcatcctgt	agtgtctctg	gacaagcaag	agaagaagta	tagcctccag	caaggtcctg	420
tggtgaggca	gctctgacat	ggtttaaata	cccaagtctt	cctagcatct	caagctcagg	480
aacatgtggt	ccatat					496

<210> 46

<211> 1421

<212> DNA

<213> Homo sapiens

<400> 46

acttactgcg	ggacggcctt	ggagagtact	cgggttcgtg	aacttcccgg	aggcgcaatg	60
agctgcatta	acctgcccac	tgtgctgccc	ggctccccc	gcaagaccgg	ggggcagatc	120
caggtgattc	tcgggcccga	gttctcagga	aaaagcacag	agttgatgag	acgcgtccgt	180
cgcttccaga	ttgctcagta	caagtgcctg	gtgatcaagt	atgccaaaga	cactcgctac	240
agcagcagct	tctgcacaca	tgaccggaac	accatggagg	cgctgcccgc	ctgctgctc	300
cgagacgtgg	cccaggaggc	cctgggcgtg	gctgtcatag	gcacgcagca	ggggcagttt	360
ttccctgaca	tcatggagtt	ctgcgaggcc	atggccaacg	ccgggaagac	cgtaattgtg	420
gctgcactgg	atgggacctt	ccagaggaag	ccatttgggg	ccatcctgaa	cctgggtgccg	480

ctggccgaga	gcgtggtgaa	gctgacggcg	gtgtgcatgg	agtgcttccg	ggaagccgcc	540
tataccaaga	ggctcggcac	agagaaggag	gtcgaggtga	ttgggggagc	agacaagtac	600
cactccgtgt	gtcggctctg	ctacttcaag	aaggcctcag	gccagcctgc	cgggcccggac	660
aacaaagaga	actgcccagt	gccaggaaaag	ccaggggaaag	ccgtggctgc	caggaagctc	720
tttgcacac	agcagattct	gcaatgcagc	cctgccaaact	gagggacctg	caagggccgc	780
ccgctccctt	cctgccactg	ccgcctactg	gacgctgccc	tgcattgctgc	ccagccactc	840
caggaggaag	tcgggaggcg	tggagggtga	ccacaccttg	gccttctggg	aactctcctt	900
tgtgtggctg	ccccacctgc	cgcatgctcc	ctcctctcct	acccactggt	ctgcttaaag	960
cttccctctc	agctgctggg	acgatcgccc	aggctggagc	tggccccgct	tggtggcctg	1020
ggatctggca	cactccctct	ccttgggggtg	agggacagag	ccccacgctg	ttgacatcag	1080
cctgcttctt	ccctctctgcg	gctttcactg	ctgagtttct	gttctccctg	ggaagcctgt	1140
gccagcacct	ttgagccttg	gccacactg	aggcttaggc	ctctctgcct	gggatgggct	1200
cccaccctcc	cctgaggatg	gcctggattc	acgccctctt	gtttcccttt	gggctcaaag	1260
cccttcctac	ctctgggtgat	ggtttccaca	ggaacaacag	catctttcac	caagatgggt	1320
ggcaccaacc	ttgctgggac	ttggatccca	ggggcttatc	tcttcaagtg	tggagagggc	1380
agggtccacg	cctctgctgt	agcttatgaa	attaactaat	t		1421

<210> 47
 <211> 369
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(369)
 <223> n = a,t,c or g

<400> 47		
cgctctcat	ggtggacgag aagactcagc ctgaggcctg cggacctcaa gaagccagac 60	
cgcaagaagc	gctacaccgt ngtgggcaac ccctactnga tggcacctga gatgatcaac 120	
ggccgcagct	atgatgagaa ggctgaggtn ttctnctttg ggatcgctcct gtgcgagatc 180	
atcgggcggg	tnaacgcaga ncctgactac ctgccccgca ccatggactt tggcctcaac 240	
gtgcgaggat	tcctgggacc gctactgccc cccaaactnc ccccgagct tcttccccat 300	
caccgtgcgc	tggtgcgatt ctcgaccccg agaagaggcc atcctttttg aagctggaac 360	
agtnctgg		369

<210> 48
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(547)
 <223> n = a,t,c or g

<400> 48		
ttttgttagc	tagtatcttt tattgtcaga acttctgtga gccaacaaac agttttgcat 60	
ggtgttacac	aaagggacaa ggcaaatctt ttttttcgtg tgggtagact tagttggccc 120	
aagtccttaa	aactttttcca tataaaaaata aaaagtccaa gaccagatta tttttcttct 180	
ggtcataaat	gctgatttat ttacaagtgc cttgttcaga ccaccattat aaacttgga 240	
taaaatatgt	gtgtattaaa gcctcagcat ttaatgtcag ggtcctttga agattcactc 300	
aagtgttaag	acgtttcttg aatgcagcgt ctctcccca tagtcaacat gggtattata 360	
tctgtaatct	atccagaatg atagaagcta accttccaag taacactttg tttttaactt 420	
aaatctttta	gacatgaaag actcccaaat gacttcattc ttgttctaaa aaccagcact 480	
ggagccagct	ggtgaagagt gggttngtga tacagttanc tgtaggctgc tatcggttat 540	
aatacag		547

<210> 49
 <211> 529
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(529)
 <223> n = a,t,c or g

```

<400> 49
gaaccagcgg cccggngac tgagcggaca aacggaagtg tnaggttacg gtctgagaca      60
tcaccgccaa gctgggcatc ggggagatgg ccgagactga cccaagacc gtgcaggacc      120
tcacctcggg ggtgcagaca ctctgcagc agatgcaaga taaatttcag accatgtctg      180
accagatcat tgggagaatt gatgatatga gtagtcgcac tgatgatctg gaaaagaata      240
tccgcggacc tcatgacaca ggctgggggtg gaagaactgg aaagtgaaaa caagatacct      300
gccacgcaaa agagttgaag gttgctaata atttatactg gaatctggca tttttccaag      360
ccaagagaag atcgaatggc tttttgcagc taactactat gtgtagacag gttttatatt      420
atanagtatg cattcttatc acctagtata tagttagttt gtagagtgat tccccccag      480
tttcttgaac atgggntctc acatcntgga cctgggcagt tgtgccatt      529

```

<210> 50
 <211> 485
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(485)
 <223> n = a,t,c or g

```

<400> 50
ccaattgacc tgaaaaactg tgccagctac aaggagggtc tgacttcagg aaagtggttt      60
aaataacagt gcaatttcaa aaaaatttat aactttcttt tgatcatcat gtacagaggt      120
gttttttttc tttaggett ccatgcatat gaatatatta agcacgaatg gactactaaa      180
tatctgagtt tttttttttt ttttttaaag atcctaacag aacatagcgt aacaatattg      240
gtcttccagg gtgttactca tttcaattat gtgtagtata ccagggacag acctattttc      300
atgtcttatt tctttaaaga gctgcttcat tgggccgggc gccatggctc cagctctgta      360
aatcccagca ctttggggga ggnccgaggg cgggtngggt ttacttgagg gtccagggan      420
tttcgagacc agcncggggn aaacntgggc ngaaaccccc ttcttaacct aaaaattaca      480
aaaaa                                           485

```

<210> 51
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(415)
 <223> n = a,t,c or g

```

<400> 51
ttgctcattc ccaatccctt tctcattctc ctccatttca taagttcata ctaaaatgtg      60
atatatcttc agatatacac atttactggg aaaatatata ttgttattac aagcatatgt      120
tttatgctat agatccatat attttacttt ttaaataata acaactgttt ctagttctac      180
ccatgttgct ctaactacat ctttacatgt aaatatgtgt ttctaaatga tgcacaggta      240
ttccttccac agggatggtg attatcacat tttactgggt cattccctta ggngacaaaa      300
tacctggggg tggcccttcc aattctctta cnttcccaca aatggggcct ccattcccca      360
gggggggcca atccatttac cttggagggg aggggggggt atatccattc tggggg      415

```

<210> 52
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(486)
 <223> n = a,t,c or g

<400> 52
 acaagtgggc atgagttttt attctcagtg cacagcagta ttggtttctg ttcatacagca 60
 aaaagcttta ttggttccaa caaattatcc cttttaaaac tcctcttctt cttctgggtct 120
 cagtgggaaca acacatttga atttcagatt tgcagtttat agcatttttt ttccctaaga 180
 accatataaa tacatgcaaa accttgtaaa tggagcttaa ataatatcaa aatgcaaata 240
 tagattgggt gcactgttaa gctgaattgc aaattatggc aacacacact ggactgggggt 300
 atacgttgct ttgatatac cattttgttt gtttatgtca tgcagaccac aatagtcaat 360
 cntttgtttt tcntttttgt acaaaaatac cagtgcctgt tatactagtt actaaaagaa 420
 gaagaaactc aaaattccna tctggcgtgc naatttngaa aaggaccacg gtngatagat 480
 tggtagg 486

<210> 53
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(444)
 <223> n = a,t,c or g

<400> 53
 tgtaatcaag tttaagtaat aggggatata taatcataag catttttaggg tgggagggac 60
 tattaagtaa tttaagtgg gtgggggttat ttagaatgtt agaataatat tatgtattag 120
 atatcgctat aagtggacat gcgtacttac ttgtaaccct ttaccctata attgctatcc 180
 ttaaagattt caaataaact cggaggggaac tgcagggaga ccaacttatt tagagcgaat 240
 tggacatgga taaaaacccc agtggggagaa agttcaaagg tgattagatt aataatttaa 300
 tagaggatga gtgacctctg ataaattact gctagaatga acttgtcaat gatggatggg 360
 aaattttcat ggaagttata aaagtataaa ataaaaaccc ttgcctttac ccnggtcag 420
 tagccctcct ccctaccact ggaa 444

<210> 54
 <211> 343
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(343)
 <223> n = a,t,c or g

<400> 54
 aaaagttgtg acantnttta tttgggactg tttgggaaga atcaatgatg tgcataaaaa 60
 gccaaaaaaa agagcattaa ctccaagaca aaacgttgta tgagaatgaa aatgtaagca 120
 cattaaatta attcatgagt gaacatacaa gtatgatcac agctatgcaa acaggtacat 180
 gatctaacca aaataatatt aggaaggatg tgaaacaata aaagaaattt tcacctgtct 240
 taatagtaag ttgacaaaac cctaaaaant aaatgggctg tataatcata ttatttnggg 300
 ancctaaaac ccaaaaactg nagggctgga aggaaccngg gct 343

<210> 55
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(451)
 <223> n = a,t,c or g

<400> 55
 ctaaataact cattaagtt tattacatta aaacatata tcacttttat attgtatttg 60
 ccatttctga acaatacaaa gtagaggcaa atagtaacac ttaataaaaa tgttgcttcc 120
 ccatttcctt ccctaagacc cagccctccc tcaaattatc cctcccaccc ctaacagAAC 180
 tctgtcctta ataaaacact taaatacatc ataaatagta aattatgaaa aaaaaatagc 240
 aagaattctt tccttcttgt aaaaaacatg gcagcaaaga caggcagcca gaaactggct 300
 gnggggtgtc taatatagac agttatttgg ggtatgggct aacatattat caaggcaggg 360
 gtgggataga gaaggggata gaacagggaa ttcaacaatc tggcctgagg ataccaggcc 420
 ccccttcttc ccttggaaca gagtgggaag g 451

<210> 56
 <211> 483
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(483)
 <223> n = a,t,c or g

<400> 56
 tanttcagga acgaggccag cctctggatc ctggggaagg ttccagtccc tggagaatac 60
 ccagggcctc aaacttgaag tcaactcctc aatgtctggg acttgccagc tcagcccggt 120
 agantgaggg tgctgagagg aaacaggaaa caagactgcg aatggcgctc aggcagggag 180
 caggaggtgg cgtttggctt gcaccgttcc catgtggcca gatgctgggg ccactttcct 240
 tctgtctgct ggtgactgca gtgttcccc tctcctcac cacggggctc ctgtgagtct 300
 ggggggcacc tctttctggc ctgtgcacct ctctctggct tataaagggt cctggcctgt 360
 gccagccccc tcctttgttt gccgcctcan cgtggggacc aggtgagccg gctctcccaa 420
 cgtggtgtgc ccgggaaaaa ctgccccaca ngccctcaag catcttcagg cancttaccg 480
 att 483

<210> 57
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(520)
 <223> n = a,t,c or g

<400> 57
 gcaaagattc acttnattta ttnattctcc tccaacatta gcataattaa agccaaggag 60
 gaggaggggg gtgaggtgaa agatgagctg gaggaccgca ataggggtag gtcccctgtg 120
 gaaaaagggc cagaggccaa aggatgggag ggggtcaggc tggaaactgag gagcaggtgg 180
 gggcacttct ccctctaaca ctctccctcg ttgaagctct ttgtgacggg cgagctcagg 240
 ccctgatggg tgacttcgca ggcgtagact ttgtgtttct cgtagtctgc tttgctcagc 300
 gtcagggtgc tgctgaggct gtagggtgct gtcccttgcg tcctgctctg tgacactctc 360
 ctggggaggt acccgattgg gagggcgtaa tccaccttcc acttntactt tggcctttnt 420
 ggggattaga aatttattca gcaggcacac aacagaggca ttccagattt caantgttca 480
 tcagatggcc gggaagatga agacagatgg tgcagccaca 520

<210> 58
 <211> 568
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = a,t,c or g

<400> 58
 acctttaaca aaagcaacaa tttttattat cttgctttat atttaatgga gtagaactat 60
 aaagattctt aactttgaaa gcagaaatat aagttggata gtagttgcag atctttaata 120
 ccattttcaa tttcatttat gagctgctac attataaatg agatgctcta aaataataat 180
 cgcttttggt gttgttggtt tagaacaatg aaaattcctg ttaggaacac aagttgctgt 240
 ttatatattgc ttgttctctt aaatagtatg agaagaagta aggtggagct gttgggaaag 300
 cccatcgtgg acctttggag attatcttct tgggttcagtc atctccacca cagattttta 360
 agagtgtgat ttcatagtct ccagaagtat ccgatttaa ttgcngaata tagggaatag 420
 ccntaatgcn tcctggaact cnggtccgaa tggcccaaaa gggccatttc ngatcnggac 480
 cccattattc cgggtccgag taactccatc cagttcccat acccctcaag gctcgatgca 540
 gtcnttcggg cnaaaaggcc ggcgtggt 568

<210> 59
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(596)
 <223> n = a,t,c or g

<400> 59
 ttttaaacag taattcttca gactttatta aaaaatgaca taaagtgcag cttattaaaa 60
 aatgtataaa aaccacataa attcagggcc cctgtgctgg gcagtgttga tatcccttag 120
 agtggaggaa ggtgagggat ggagggtgaa ctcggggact ggggagagga ccaggggtgca 180
 gttagtctct cgtgttttag ttcaaagatg gagcgagggt ggatatggtg ggaaggggca 240
 cacgggttct cagcgaacaa cggaggaagg caggcgacag tctcttccct gaattctgag 300
 ggaaaggcgt acattgtcac gaaatctctc ctgagctcgc gctgtcctct cgtgtggcca 360
 cagcctggat tacaggctgg aaaagggtcca ggaattgggt ccgagcccag gacctggtga 420
 gggccgcagt gcaacctagc cctctggtcc ctgaagtggg tgggacgacg gcagcaacaa 480
 ctacatcctc gggctgactg gcaangcaga acgcacgcag cccaagctgg tctgaatct 540
 gcagtgcagc agggcagccg gtgcagcggg ataatgtgga aggttaaaag ccantt 596

<210> 60
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(510)
 <223> n = a,t,c or g

<400> 60
 tttaanantt gacacaagan ttacaaatat atttaaactc cagacctggg aaatggacta 60
 tacacagcct tctaggggag aagagaaatg ccttagatgt tctgacagca ctgcaccttt 120
 ggcttggttt cagtggttgg tggaacatga ntaggancca cattgttgct tggagacatg 180
 tcattttcgc gtatgtctga ctttgcttc tgagaaacaa tgcggtaaat ctctgttaaa 240
 attgtctgaa aagcagcttc tacatttgta ggagtctagg ggccgaagtt tcaatgaatg 300
 acaaaccatt cttttctgcc aaaagctctt gcttcactct taggggaact gccctgagga 360

tgacggtagg	anccactctt	attgccccac	aaggcatgga	taaccaatgg	ttactatcag	420
gcatggatcc	tctcaggntc	tttcagccca	tcggctctac	attttccata	tgtgggggnt	480
gtttagggcc	atggnccata	accccatatt				510

<210> 61
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(471)
 <223> n = a,t,c or g

<400> 61						
agcatcaaaa	agttttattac	aactgttttt	aaagtcagct	atgatcttga	caaataattac	60
gggtaagtct	gtagcaagtt	tctaatttct	gagatacaaa	agacaataaa	tacagattaa	120
aattcagcct	acaaacaaga	ttctacatct	aattactggg	actgtagctt	agtttcaata	180
tttcaaacat	atgtataatt	cttaagatgc	tacaaaaact	catataataa	agttattggt	240
cactgacaac	caactaacag	ttcttcaactg	acaatataca	agtgtgcagt	gccttcgagc	300
cttcagggtga	gccccccaag	gncctgctgg	tgccggggac	aatcagagac	agcgatgtga	360
cggcactggg	cctttctggc	aggaggactg	gtttaggagc	agctgctgaa	aacactcaac	420
aggacagaga	gctgatttcc	caactgcccc	ataaatgatc	cnatttacta	g	471

<210> 62
 <211> 220
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(220)
 <223> n = a,t,c or g

<400> 62						
naagganatt	cggccacgag	ggccagctct	gggcgtcact	tacgactgcc	agcaccacgc	60
aggaaatgcg	ggcctttccc	tgccttccctg	ggcactgagg	cctccagctc	aggcaatggc	120
tcttggtg	agctgatgcc	cctgactnct	gtgagcgtgc	acctgctgac	aggtaatggg	180
acagaggtgc	cgctctcagg	ccccattcac	ctgtccctgc			220

<210> 63
 <211> 459
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(459)
 <223> n = a,t,c or g

<400> 63						
tcaaggtata	tntaatttta	ttattatcaa	acaaaactag	tagatataac	ttccaggnaa	60
taagttacat	aaatataaca	gaataaatc	attttcttaa	gtttcaaatt	aaagatgatt	120
aagaaataca	gctttatgta	aagtttctgc	tttttctcaa	ccacgcctaa	agaggaaaga	180
actgggcagc	aggaacactt	gctcctaggg	aaacaaatac	aacaaaatta	taattaaaaan	240
gatcttcaag	gctatcaaaa	tttgtgagag	gaaggggatgg	gtaaggantg	caggtaggaa	300
nttaccnaan	tggacaaaca	aaatcctatc	cggttttcag	ggttggggnc	aaaaggtaac	360
tttcatggan	tatggnctg	tgtttcaggc	atatggtccc	cttggtctnt	ttggccctct	420
tttaccnccc	gngggttggc	ctnattaaac	tttttnacc			459

<210> 64
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(527)
 <223> n = a,t,c or g

```

<400> 64
atgatgacaa cacatacact taaganggtg ggaacngnng gccgggcgcg gtggctcaca      60
cctgtaatgc cagcactttg ggcagctgag gcgagtggat cacctgaggt caggagttcg      120
aaccagcctg gccaacatgg tgaaactgca tctctactaa aaatacacga agaaaaaaaa      180
aacagtggga acagagttgt cacctaccta acagggctct gananagcgg gacccaaaag      240
tggctggaag aaggtaaagg aaaaatcctg tcttgggctc aaggtcacag agtttngccc      300
agggggangt tctgtctgag ggcagggcct ttgccaaggc nttcaagtct ccanttgccca      360
aaggaaggaa atgcccaagg ctgtcaagca tttccagatg agatcagtcg gggagaaact      420
ttaaacccca agtcacacat ccaacaatgg aagtccgaca gcccagcacc atcttgggaa      480
ctgagaagca cctctgcccc gccnccacac cgtgtnggaa aagtgaa      527

```

<210> 65
 <211> 685
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(685)
 <223> n = a,t,c or g

```

<400> 65
attaaactct aaagattagg gaaaatggat atagaaaatc ttagtatagt agaaagacat      60
ctgcctgtaa ttaactagt ttaagggtgg aaaaatgccc atttttgcta attatcaatg      120
ggatatgatt ggttcagttt ttttttttcc cagagttggt gtttgccaag ctaatctgcc      180
tggttttatt tatatcttgt tattaatgtt tcttctccaa ttctgaaata cttttgagta      240
tggctatcta tacctgcctt ttaagtttga aactaaactca tagattgcaa atattggtta      300
gtatttaact acatctgcct tggtcacaaa ttccgattag acctttatcc agctagtgcc      360
aaataattga tcagatgctg aattgagaat aagaatttga ggtctacatt cttggttggt      420
aatttagagc gtttggttaa agtatgtcct cagctgactc cagtataatc tcctctgctc      480
attaaactga ttccaggaga ttggattgct gtgactagat acagatggag caaatgtccc      540
tacagagaaa tagaggtgag cngctaaagg agaaatgcca gcggacaagt cagtgtcgga      600
attnccgtga catcactggg catagattgg agaagttttc cttggtaggc cttttcncc      660
tttatcagca aatcccgggg taagg      685

```

<210> 66
 <211> 383
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = a,t,c or g

```

<400> 66
tagacctttg ctccagtatg tgcaggacat gggccaagaa gacatgttgc ttcccccttgc      60
atggaggata gtgaatgata cctacagaac ggatctttgc ctactgtatc ctcccttcat      120
gatatcttta nttgcctaca tgtagcctgt gttgtacagc agaaagatgc caggcaatgg      180
tttgcctgagc tttctgtgga tatggaaaag attttggaag taatcagggt tattttaaaa      240
ctatatgagc agtggagaa tttcgatgag agaaaagaga tggcaaccat tcttagtaag      300

```

atgccaanac caaaaccacc tccaaacagt gaaggagagc aggggtccaaa tggaagtcag 360
aactctagct acagccaatc ttn 383

<210> 67
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(554)
<223> n = a,t,c or g

<400> 67
tatatcagcc tgagtctcct gtgccccatc ccaggcttca ccttgaatgg ttccatgcct 60
gaggggtggag actaagccct gtcgagacac ttgccttctt caccagcta atctgtagg 120
ctggacctat gtcctaagga cacactaatc gaactatgaa ctacaaagct tctatcccag 180
gaggtggcta tggccacat ctctgctggc ctggatctcc ccactctagg ggtcaggctc 240
cattaggatt tgcccccttc catctcttcc taccacaacca ctcaaattaa tctttcttta 300
cctgagacca gttgggagca ctggagtga ggnnaggaga ggggaagggc cagtctgggc 360
tgccgggttc tagtctcctt tgcactgagg gccacactat taccatgaga aagaaggcct 420
gtgggagcct gcaaaactcac tgctcaagaa gacatggaga ctctggccc tggttgtgta 480
tagatgcaag atatttatat atatttttgg gttgtcaata ttaaatacag acactaagtt 540
atagtaaaaa aaaa 554

<210> 68
<211> 362
<212> DNA
<213> Homo sapiens

<400> 68
tctgcatcag taattttaat aaagaaaagc atgctctgag agaaagctcg ctcttggtc 60
tgcagtcctt taaacaaagc agtgcagttc ttagccaagg gtaagtactg caactgtcga 120
gagcatcttg tcttccacac agttgggtga ctctccgttt tgacacaaag ataagccttg 180
cccttgtttc cttttgggag ggatatatcc actgagatga gaggccaaac tccgtttttc 240
acgagatttt ttgacttttg agcttcattt tcttcttgtc aggatcatgt acaacagcat 300
gcctaagtga gactttgttt catttgcaaa tgtttttgcc acagccagca tggtcacaca 360
ca 362

<210> 69
<211> 203
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(203)
<223> n = a,t,c or g

<400> 69
tcagcagcac ccactattac ttgctgcccg agcgaccatc ctacctngng cgctaccagc 60
tntcnctgcg tnaggccag agccccgagg agcctacccc cctgcctgtg cctctgctgc 120
tgcccnacc cagnacccca gncnngcng ccncacggc caccgtgcgg ccgatgccn 180
aggntgcctt ggnaccccaa ggn 203

<210> 70
<211> 468
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(468)
 <223> n = a,t,c or g

<400> 70
 ggaaggatga acaagttgag aaggaaaaca cttacactag ttacttggac aagttcttta 60
 gcaggaaaga agatactgaa atgctagaaa cttgagccag tagaggatgg gaagcttggg 120
 gagagaggac atgaggaagg atttctgaac aacagtgggg agttcctctt taacaagcag 180
 ctcgagtcca taggcacccc acagtttcac agtccagttg ggtcaccact taagtcaata 240
 caggccacat taacaccttc tgctatgaaa tcttcccctc aaattcctca tcaaacatac 300
 agcagcattc tgaacatctc gaactaaaac actcagcaga catttatctt tgtattcttc 360
 atgaaatgtg ttttgtcttt ttttattact agtgtttaag tcatttttta cttgnatcag 420
 atgngtcat ttngtaaggg ntttatggag gtcttgtttt tttaaaa 468

<210> 71
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(464)
 <223> n = a,t,c or g

<400> 71
 tttttttttt atttagagaa tactttatta gtttctgtaa tcaaaccat gtagataaga 60
 ccttacatat ttaatacagt gcgttacccc tgtacaaatg gaaaaaaaaat taagtttaac 120
 gtttctagac caatatggct gttaatttct gtacaatgcc aactcaacac agtaaacagg 180
 gatacttttt ccaaagttga cagcacagct aaagtttcca aaaattcaaa ttatatatat 240
 atatcgtata tatatatata tatntnnnta ancncgacca atagcagtat gttatgcac 300
 aatagcagca acagcttttc caggttctgc agtcatctga ataaaattat agagacatcc 360
 agcacactcc atttaaaaaa aaggggggaa aaaggtaaaa aacaaaaccc cagaaaattg 420
 caaagttctg ttaccgttgt ggtacctggg caccgttttt taaa 464

<210> 72
 <211> 554
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(554)
 <223> n = a,t,c or g

<400> 72
 ttctctttac tcaccatttt aatactgccg ccaactataa cagattaaaa atgtacacat 60
 gacaaagtgg aaaaaagtcc caaaatgcaa cagtttcagc aaaagaacat actggctaag 120
 gattactaca gttaacatcg gtacagtaaa aacgatggca aacagggatt tggcaccaca 180
 tttacaaagt aaaagcatgc actgttaata cacttttagat gtttctcaac agaaaaggcc 240
 atgaagatgg aaaacaagag gcaccatgta caaaactccc tataactgag acaacaagc 300
 aagaatcaaa gtggtcaatt tagtaaatat gtagcagcaa agtcactggg tctgtttgga 360
 atttagcaat tttgcatttc tgattggcag ctgccctggg gtgtgtctgt atccaagaag 420
 ctgactttta tcatactaca tcagcagtaa tttgggtaaa tctgcacaaa caagggttaa 480
 nccctcnagc ccttaagcct taaagggaag gggnggaac taggaatcct nattgccgna 540
 ccttttcena tggt 554

<210> 73
 <211> 398
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(398)
 <223> n = a,t,c or g

<400> 73
 gatcaatacc acagttttatt tgtaaaccatg ttatatgtgt caataatcaa attgacaaca 60
 ctttatagat ttcattgtat aatattaaca tcctaacaga aaacgatcca ctgtactcag 120
 ttacagtttg gtatttttaa atccttaaat acaaattgta ttgaaacac tgaacacaaa 180
 aaagaaacat gaatggcaga gaaaactgaa aacaacaagt aaaagaaacc aatattccgc 240
 tcccctgaaa aaaaaacata aaatcatctg attacataat ttaaaaaaga aacaaaggaa 300
 atcagatgac atttttttnga tataaagttg cattttctca aatccatttt agagggtgaaa 360
 ttgtatcaat attaaattct atgtcntttt tgatattt 398

<210> 74
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(477)
 <223> n = a,t,c or g

<400> 74
 tctcatttaa ctttttttaaat cgggtctcaa aattctgtga caaatttttg gtcaagttgt 60
 ttccattaaa aagtactgat tttaaaaact aataacttaa aactgccaca cgcaaaaaag 120
 aaaaccaaag tgggtccaca aacattctcc tttccttctg aagggttttac gatgcattgt 180
 tatcattaac cagtctttta ctactaaact taaatggcca attgaaacaa acagttctga 240
 gaccgttctt ccaccactga ttaagagtgg ggtggcaggt attagggata atattcattt 300
 agccttctga gctttctggg cagacttggt gaccttgcca gctccagcag ccttcttgtc 360
 cactgctttg atgacaccca cgcgaactgg tctgtctcat atcacgaaca gcaaagcgac 420
 ccaaaggtgg gatagtctga gaagctctca anacacatgg ggcntgcagg aaaccat 477

<210> 75
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(382)
 <223> n = a,t,c or g

<400> 75
 gcataatccc tgtaacnttt tgcaatctat tgatacatgt aagactctca gcttaaaaaa 60
 aatcaacatg gaaatctcca actatttaga actaataaag tatgagtga ctgagagatt 120
 cagccaaagt aacattgaaa ggaaaattta tagccttagc tatgtgact acaaaattga 180
 aaaagggctg ggcattggtg ctcatgcctg taatcccagc actttgagag gctgaagcgg 240
 gcagatcaca aggtcaggag atcgagaccc tcctgggcta acacagtga atcccgtctc 300
 tacttaaaac tacaaaaaaa ttagccaggg catnggtggg cgggcacctg ttagttccca 360
 gcttacttcg gggaggcttg ag 382

<210> 76
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(535)
 <223> n = a,t,c or g

<400> 76
 tttttttttt tttttttttt tccatagaaa ataggattta ttttcacatt taagggttaan 60
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntntngntt gaattttcttt 120
 aacacacaga aaaatcaaaag cctaccaggn aatgcttccc tccggagcac aggagcttac 180
 aggccacttc tgtttagcaac acaggaattc acattgtcta ggcacagctc aagtgaggtt 240
 tgttcccagg ttcaactgct cctaccccca tgggccctcc tcaaaaacga cagcagcaaa 300
 ccaacaggct tcacagtaac caggaggaaa gatctcagcg ggggaacctt cacaaaagcc 360
 ctgagttgtg tttcaaaagc caagctctgg ggtctgtggg cctgtgtcac caacttcagg 420
 tcacaccaca gcatggggaa gttagtnttg cagtttcant tctagtcant cttgttaatt 480
 aaatttttcc cattagggag gacattttta aacaggtttt agagtccttt gcaaa 535

<210> 77
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(468)
 <223> n = a,t,c or g

<400> 77
 ntggccaatg cgtctcgggc gcgctcagan cacgttcac aacctgcgag aggtcagcac 60
 ccgcttcgcg ctgccaccgc gggagtatgt ggtggtgccc tccaccttcg agcccaacaa 120
 ggagggcgac ttctgtctgc gcttcttctc agagaagagt gctgggactg tggagctgga 180
 tgaccagatc caggccaatc tcccgatga gcaagtgtc tcagaagagg agattnacga 240
 gaacttcaag gccctcttca ggcagctggc aggggaggac atgggagatc agcgtgaagg 300
 agttgcggac aatccttcaa taggattcat cagcaaacac aaagacctg cggaccaagg 360
 gctttcagct taggagttcg tgccgcagct tggttgaacn ttatgggttc gtgatgggca 420
 ttnggtaagt tnggcttggt gganttcaac atnctgttgg aaccgttt 468

<210> 78
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(412)
 <223> n = a,t,c or g

<400> 78
 aaattacaaa aatataaata aaaatagtga aatataaata ttcagtgtac aggagtggtc 60
 ctcaccccac ccagtgagga ttggatgaac taggctaaaa ggaagggata actggccaag 120
 aaagggacat ctatgtgaaa gtgaaactga gacagtgtcg gtcacaggtc atgctgcaga 180
 ataatacatt cccagggnac tgtcacgtgg ggggacccaa gagggcccg gagtgacctt 240
 taacctctcc agaaagacca ctctgtgtgg gcatcacagt ccacacagtt ttaaggggaa 300
 tatttaggnc tttaaccatt caggncacca gntttttact ttacacttta caatttacag 360
 gccccacaca caaggtttgg cnaactttcc acaaactttt ttttttcccc cg 412

<210> 79
 <211> 394
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = a,t,c or g

<400> 79
 tcgaggcagt attgacaggg aggatggaag tcttcagggt ccgattggaa accaacadat 60
 atatcagcct gtgggtaaac cagatcctgc agctccacca aagaaaccgc ctgcgcctgg 120
 agctcccggg catctgggaa gccttgccag cctcagcagc cctgctgaca gctacaacga 180
 ggggtgtcaag ccatggaggg ttcagcccag gaaatcagcc ccnctcctac tgccaacctg 240
 gaccggtcga atgataaggt gtacgagaat gtgacggggc tgggtgaaaag ctgtcatcga 300
 gatgtccagt aaaatccagc cagccccacc agaggagtat gtncttatgg gtgaaggga 360
 gttggccttg gccttgagga cattatcttg gcc 394

<210> 80
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 80
 tgcccagcac aaaggcctgg tgcaagagtg ggggtgcccc gtggctgggt cctggccgcg 60
 ggtggaccct cccacgcgg gcggtctcgg agcttccctgc cgcgcggtgt gtgtgtgtgt 120
 gtgtgtgtgt gtgtgtgtgt gtgcgcgcgc cccgctt 157

<210> 81
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(444)
 <223> n = a,t,c or g

<400> 81
 tgcaaaacag aagtacagat ttattgaaac aaaagtacac tccacagagt gggagttagg 60
 ctgcagcaag cagcaagagc cctggttaca ganttttctg ggggtttaa atgctctaga 120
 ggtttcccat tggttacttg gttacaccct atgtaaata aacctgcccc acgaccagtc 180
 agattggttg tgggagggga ccaatcagag gtactttcca tttttcatct gtgaggcagt 240
 ggaaaggtgg ggttgcaaa ggagtagctt ctgatccttt ccttacttgg ggcgtgggag 300
 aggtgggggt tttcgctttg attcagttct aggggaagggc agcgcaantt ggccttagg 360
 gttcttggtc tncctgcctc ctgcctcagc tggggcacct ttntaacagg gaggaaggag 420
 agcctagcag ccantcagtt aaac 444

<210> 82
 <211> 448
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(448)
 <223> n = a,t,c or g

<400> 82
 attcaacaaa cattatttaa acattcatat gccaaaaact atgctatgga gatgcaaaaa 60
 ataaaaaggt tccttttctt gcccttaagg agctcacatt ctagtaaaga cttttgaaaa 120
 ataaaaacat acagtacgat ttaagtgaac tacaatagag gtaggttgta attacagtgg 180
 tgacacgaaa gggaagttag atgactcncc ttgagtggag caaaggagggt ttcacagagg 240
 aaatgcttat gtcaggcctg caagatgcat aggaattttc caagtgggga aggatgacta 300
 gcacacttga tgcaaagagt acagcattta ccaaggcggg aggcctggcc aaatgtggct 360

tctgaagaag tgtaagtctg tttcaccaga acattcgggtg gangaaacac atcagaagac 420
 ctgtacacc caacagagga gttttggc 448

<210> 83
 <211> 215
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(215)
 <223> n = a,t,c or g

<400> 83
 gtgtcttatt ctcccactga cagaaagatt ttcttgcttt caggaaacaa gctttatgtg 60
 gcccttttct ggtcccctng cttagactac agttctgtgt ggatttgtct gattgcttca 120
 gacatgtaat gttgtttttc atccttgggc agcttacatc agttgttttg tttgattaga 180
 aaaaggaagc agacacacac acacacacac acaca 215

<210> 84
 <211> 487
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(487)
 <223> n = a,t,c or g

<400> 84
 taacaatgat tatcttttga atacgcatac gcaagggatt gggtgtctga agaatgccac 60
 tatagtagtt atctattgtg tgccaatctc attgctaggc attggggatg caaagataaa 120
 ccatctttat tgtgtcttgg gtagcagaag aaaatatgtg taaaatcaat ttataatttg 180
 taaactgcc aacatataata agctatatct gctgaatgat cattgattac ctcttatact 240
 tagagataac aactgggggc acaaacattt attatcatta ttgaacctac aacagagatc 300
 tatgtgtaga ttacaaaagc ctacagttct atacagatag gaatgancta ttggcttact 360
 gaatggtgat tactttctgt gcagggtccg gaactacatg cccctaggat ataaaaatgg 420
 atgttaanca ttatngagtg ctacacagaag gaaatgcagt antataggtg tgagatccag 480
 accaaaa 487

<210> 85
 <211> 3645
 <212> DNA
 <213> Homo sapiens

<400> 85
 gaattcgggc gccgcccgc cggcagtcag gcagcgtcgc cgccgtggta gcagcctcag 60
 ccgtttctgg agtctcgggc ccacagtcac cgccgcttac ctgcgcctcc tcgagcctcc 120
 ggagtccccg tccgcccga caggccggtt cgccgtctgc gtctcccca cgccgcctcg 180
 cctgccgccc cgctcgtccc tccgggcccga catgagtggg gaccacctcc acaacgattc 240
 ccagatcgaa gcgattttcc gattgaatga ttctcataaa cacaaagata aacacaaaga 300
 tcgagaacac cggcaciaag aacacaagaa ggagaaggac cgggaaaagt ccaagcatag 360
 caacagtga cataaagatt ctgaaaagaa acacaaagag aaggagaaga ccaaacacaa 420
 agatggaagc tcagaaaagc ataaagacaa acataaagac agagacaagg aaaaacgaaa 480
 agaggaaaag gttcgagcct ctggggatgc aaaaataaag aaggagaagg aaatggctt 540
 ctctagtcca ccacaaatta aagatgaacc tgaagatgat ggctattttg ttcttcctaa 600
 agaggatata aagccattaa agagacctcg agatgaggat gatgttgatt ataaacctaa 660
 gaaaattaaa acagaagata ccaagaagga gaagaaaaga aaactagaag aagaagagga 720
 tggtaaattg aaaaaaccca agaataaaga taaagataaa aaagtctctg agccagataa 780
 caagaaaaag aagccgaaga aagaagagga acagaagtgg aaatggtggg aagaagagcg 840
 ctatcctgaa ggcatacaagt ggaaattcct agaacataaa ggtccagtat ttgccccacc 900

```

atatgagcct cttccagaga atgtcaagtt ttattatgat ggtaaagtca tgaagctgag 960
ccccaaagca gaggaagtag ctacgttctt tgcaaaaaatg ctcgaccatg aatatactac 1020
caaggaaata tttaggaaaa atttcttttaa agactggaga aaggaaatga ctaatgaaga 1080
gaagaatatt atcaccaacc taagcaaatg tgattttacc cagatgagcc agtattttcaa 1140
agcccagacg gaagctcgga aacagatgag caaggaagag aaactgaaaa tcaaagagga 1200
gaatgaaaaa ttactgaaag aatatggatt ctgtattatg gataaccaca aagagaggat 1260
tgctaacttc aagatagagc ctcttggaact tttccgtggc cgcggaacc accccaagat 1320
gggcatgctg aagagacgaa tcatgcccga ggatataatc atcaactgta gcaaagatgc 1380
caaggttcct tctcctcctc caggacataa gtggaaagaa gtccggcatg ataacaaggt 1440
tacttggctg gtttcctgga cagagaacat ccaaggttcc attaaataca tcatgcttaa 1500
ccctagtcca cgaatcaagg gtgagaagga ctggcagaaa tacgagactg ctcggcggct 1560
gaaaaaatgt gtggacaaga tccggaacca gtatcgagaa gactggaagt ccaaagagat 1620
gaaagtcggg cagagagctg tagccctgta cttcatcgac aagcttgctc tgagagcagg 1680
caatgaaaag gaggaaggag aaacagcggg cactgtgggc tgctgctcac ttcgtgtgga 1740
gcacatcaat ctacacccag agttggatgg tcaggaatat gtggtagagt ttgacttctt 1800
cggaaggac tccatcagat actataacaa ggtccctgtt gagaaacgag tttttaagaa 1860
cctacaacta tttatggaga acaagcagcc cgaggatgat ctttttgata gactcaatac 1920
tggtattctg aataagcatc ttcaggatct catggagggc ttgacagcca aggtattccg 1980
tacgtacaat gcctccatca cgctacagca gcagctaaaa gaactgacag ccccgatga 2040
gaacatccca gcgaagatcc tttcttataa ccgtgccaat cgagctgttg caattctttg 2100
taaccatcag agggcaccac caaaaacttt tgagaagtct atgatgaact tgcaaactaa 2160
gattgatgcc aagaaggaac agctagcaga tgcccggaga gacctgaaaa gtgctaaggc 2220
tgatgccaaag gtcatgaagg atgcaaagac gaagaaggta gtagagtcaa agaagaaggc 2280
tgttcagaga ctggaggaac agttgatgaa gotggaagtt caagccacag accgagagga 2340
aaataaacag attgccttgg gaacctccaa actcaattat ctggacccta ggatcacagt 2400
ggcttgggtg aagaagtggg gtgtcccaat tgagaagatt tacaacaaaa cccagcggga 2460
gaagtttgcc tgggccattg acatggctga tgaagactat gagttttagc cagtctcaag 2520
aggcagagtt ctgtgaagag gaacagtgtg gtttgggaaa gatggataaa ctgagcctca 2580
cttgccctcg tgcctggggg agagaggcag caagtcttaa caaaccaaca tctttgcgaa 2640
aagataaacc tggagatatt ataagggaga gctgagccag ttgtcctatg gacaacttat 2700
ttaaaaaat ttcagatata aaaattctag ctgtatgatt tgttttgaat tttgttttta 2760
ttttcaagag ggcaagtgga tgggaatttg tcagcgttct accaggcaaa ttcactgttt 2820
cactgaaatg tttggattct cttagctact gtatgcaaag tccgattata ttggtgcgtt 2880
tttacagtta ggggttttgca ataacttcta tatttttaata gaaataaatt cctaaactcc 2940
cttccctctc tccattttca ggaattttaa attaataga acaaaaaacc cagcgcacct 3000
gttagagtgc tcaactctcta ttgtcatggg gatcaatttt cattaaactt gaagcagtcg 3060
tggcttttgg agtggttttg ttcagacacc tgttcacaga aaaagcatga tgggaaaaata 3120
tttctgact tgagtgttcc tttttaaatg tgaatttttt ttttttttaa ttatttttaa 3180
atatttaaac ctttttcttg atcttaagaa tcgtgtagat tgggggttggg gagggatgaa 3240
gggcgagtg atctaaggat aatgaaataa tcagtgcactg aaaccatttt ccatcatcc 3300
tttgttctga gcattcgctg taccctttaa gatatccatc tttttctttt taaccctaatt 3360
ctttcacttg aaagatttta ttgtataaaa agtttcacag gtcaataaac ttagaggaaa 3420
atgagtattt ggtccaaaaa aaggaaaaat aatcaagatt ttagggcttt tattttttct 3480
tttgtaattg tgtaaaaaat ggaaaaaac ataaaaagca gaattttaat gtgaagacat 3540
tttttgctat aatcattagt ttttagaggca ttgttagttt agtgtgtgtg cagagtcctat 3600
ttccacatc tttcctcaag tatcttctat ttttatcatg aattc 3645

```

```

<210> 86
<211> 332
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = a,t,c or g

```

```

<400> 86
tttttttttg cttttttatac cacttttattc caacctgagc acctcaatat aaaactaaac 60
actgggtgaac cgtttttcta attctgcatt atcataaatg tacaagttct cctagcagtc 120
caacacttaa atagattaaa tcatctctga cacatggtag ctttcatata atgaaaatac 180

```



```

ctaaantaat tagtgcaata tactgaaactg atcaaaaataa aatgaacttt gggaaaggga      240
aggctgcaag gattgttact aacatattgg caatacttta tgttaciaat tacgggggtac      300
attgtttatt atgggttcta ggccatgggg gg                                     332

```

```

<210> 87
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = a,t,c or g

```

```

<400> 87
tttccatatt cactgctaaa atatttttatt ttaaaatgta ccacagtga tggatgtatc      60
catactgggt cttataaatg tacacatata catccatata ttgacaaaag tatatatatg      120
aactgggttaa agacctatcc aaaagaggaa atattttctag aaagttcatg tgtttatact      180
tcatttgaca attaaaactt atttgaactg atgaagtttt agttgcttag caatgactaa      240
taataccaat gcctgtcaat aatgacaact aaattgagaa ctataaattt cactgctgtg      300
ccttgggtca aaattttcaa tgatggaacc taaataagta acagttattc ctataatggg      360
gtatatattc agaaggaata aatcctgcac tattncaaa g c                                     401

```

```

<210> 88
<211> 427
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = a,t,c or g

```

```

<400> 88
cttttggttac cagttaaata taagaacacc ttttacctct ataacaggaa ggaagctgct      60
gtgaccagat acctttgaga agcttttctga gcatgtgaaa gagaaaacag aaagtatttt      120
ctgcaattgg taaacttgct gttttcagaa tgtcaacagg caaacaacaa cgtgacacgt      180
gtaccttggtg aaaaccatgc caccctggcc ccaaactcct acagcagtgg ttgtcctggg      240
gccgactgcc tgcagnactg cagangtgct tgtggtattc taatcccat cccaccactc      300
tgagaagctt gtctgactaa gtctgaggaa aagaatggct atgatgtgga tcacattttc      360
aatgattttt aaattgtact taaaaaaaaa gttttctagt aattgagtat ataaaaagtc      420
cccngag                                     427

```

```

<210> 89
<211> 310
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(310)
<223> n = a,t,c or g

```

```

<400> 89
acaaattttg cattttccac atgaaaaaaaa tcacagtagg cacatactag aagcaaaata      60
cgtcagacaa aaatatccta aagatgtttc tgttatcaaa cttttacaat ttttccaaga      120
cgtttttgag gtttgggaaa aagtctgggg catttttggc aaaaaacaaa cacactctat      180
ccatgtgagt tttgactatt gttcttttct accaaaantg tccatanttt tctacaaatt      240
ccatgaagtt ttaaatacant catgtttgat ttacattttac caggnatgat ttgcccatca      300
ccatnaaatt                                     310

```

<210> 90
 <211> 410
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(410)
 <223> n = a,t,c or g

<400> 90
 cctcgcgana acgctntaga aataaaaaact tttgtggcgg tagaggcact gctaactgat 60
 tcaaaaatta attagggtttt gcctgtgggt gtgaggaatg cagagaatta atgcttttagc 120
 tttttctgcag ttttgggtgtc ggggagaggt tccaagcaaa ctctattaaa tggggatttt 180
 ttttttcccc ataaccacct gaatgtgatt tgtgggctta tgtgttctga tttgaacttc 240
 atatagcaag gttgtggctt ttggcagatg cagtatgttc tgagcgcggc tcctagagtc 300
 tacaatttgg gagtccaggg aaggggtggc tgtgggagac aagtggagtt tttgtacctc 360
 cgtaagccac ccttttttca gggtcagtt ccattgtgta gtantcaggg 410

<210> 91
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = a,t,c or g

<400> 91
 taagaaaaaa gcaacaagaa aataattcag agtttataca aaacatcttt acattatttt 60
 ttttccaaaa agactagtat ttacacaaat ggcaacagaa acaaaaacaa aaacccttcc 120
 gactgccacc tgggaagggg ctggctgttc tgctccctct ccacctggg cactgggggtg 180
 ggcagctggc cagggaggca gtgtgggagg tgggatgggt ntgagggggc agtccttcc 240
 atgggctgct ctggggagtg cctgcaaggg cacttcaagt gggcagtcctg ttagcagccg 300
 tgcttggaac gggactnagg gtcaaagtgc acagcggggc ttggcccagc cccaggggag 360
 cctcttttct ctttcagggg gnccagccc aa 392

<210> 92
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(468)
 <223> n = a,t,c or g

<400> 92
 aagacttcaa agtaaaaaaa aaaaaaaaag gtacagaaat agattacatt atgatgacca 60
 cagtagtatt ctacatgaca aaaataaaaa cagatttaag taaatgtacc ggcactgaac 120
 aagcatttac ttaacatcca atccaggctg catatgcaca aaatgatctg accacatgct 180
 tatgcaaaat aaagtttttc ttagaaagcc aaaattccaa ccattctgac tgtccgctgc 240
 ctattcccct gttgagtatt ttgagcgaac ttctatagaa tataagaaca attggcatgg 300
 cacttaaaga ctgcaaaaaa cagaacacaa ttaaaaaacat ttataatgca tttctgtata 360
 aaattacaca ccgtaaatct tattagttaa aaaaagattt aaaaacaaaa gaccaccctg 420
 gaataatggg taanacctca tcntaggaaa atgctcatca ttttggtg 468

<210> 93
 <211> 620
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(620)
 <223> n = a,t,c or g

<400> 93
 tttttttttt tttttttttt catttttaaat tataattttt attaaaataa aatatacata 60
 aaacaacatt tttatcaaaa tcctataaat aattaaaaaa attcaccatt ttaaccatct 120
 cttaaaaatct acaatttaac aacattttaat acattcataa catacaacca tcactttctat 180
 atactttcaa aaccttcac acaccaaaaa aaaacccccc acccattcaa caccatcccc 240
 ccaccctcaa tccccaaaca tcaactaccct acttcccact caaatcacca acactttaaa 300
 aatatactat attataaaac ttttttccca atatacattt tatctttttat cactcctaaa 360
 ttttaaatca tatttaaaaa aatttttacc actccccaat aataaaaaaa ttcacttttt 420
 cctaatactt ttaaaccctat ttaaaattta acttaatatata taattaanat acaatttcatt 480
 ttcanttttc ntcccaataa ttaacattta ccccttatat tancaaatcc ctccttttct 540
 caccaatatc attactncct tataactaaa tatctaaacc taaaantatc ccaaattttc 600
 aancctaanc tactactcct 620

<210> 94
 <211> 644
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(644)
 <223> n = a,t,c or g

<400> 94
 aatttcagag acaggatccc actttgttgc tcacgctggt ctcaaactcc tggctttaag 60
 caatcctcct gacttggcat ccccatgtgc tgggattaca ggcaccttgt aatctgccag 120
 tttgtcccca tggccatgtg agatgacagc tgctatgacc ctcaactttag aggtgcagaa 180
 aatgaggctc agagaggctc aatcacctgc ctgtggtcac ccagcaggcc caggtcacc 240
 cttaggctga atcctccaca acaacacttc cttcagtcta agtaggctga atcttgtgtt 300
 ttgtttgttt gtttgtttgt ttctttgttt gtttgagaca gagtctgtgt ctgtcaccca 360
 ggctggagtg cagtggcaaa tcttgggctc actgcaacat ccacctcctg ggttcaagcg 420
 attctcctgc ctcagcctcc caagtagcta gaattacagg ggtgcancac catccccggc 480
 tatgnaattc ctctgaagc ctgcaaaggg cactatctgc tctgtagaaa gtgntttgta 540
 acgagtcaaa gctgttgagc ataaaagact ttggggcccta gccacgacat gatantgctg 600
 naaaagggtt ggggatncag gctttatggc aaatcggcga tcgg 644

<210> 95
 <211> 479
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(479)
 <223> n = a,t,c or g

<400> 95
 gcgaccgcgg cgggancccg acgctcgccc tacggtgcgg cctacgagtc tcgacgtgca 60
 agctgcgagc ganggccaga aacgggcaca gcgggcccgt gagctgcccc gagactaccc 120
 caccaaagtc ttcttggtgg cgaccacca agcaccacga cgccggcacc ctgacaggac 180
 cataacagtg acagcggcgc tggggattgg ctctttgtaa tgtgctctcc cattggctcc 240

cggagaagat	tctgattggg	tcttcctggt	gttgattccg	gaagtttacc	caggacagga	300
agttcacttg	taattccgtg	gaaatctcag	gcctcttttt	cctccottggg	tgcttttggt	360
cctttaagtg	cgatcttttc	ctgggcgttt	ttgttttacc	taattacctc	cgtttttggt	420
aantgggtgg	gttaaagan	tttagaacta	ggtagatttt	atgggtcagc	cgccgtaaa	479

<210> 96
 <211> 413
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(413)
 <223> n = a,t,c or g

<400> 96						
aatgatgca	attattcata	ccagtttatt	gtaggtattg	tgtttcaaaa	aatttatagc	60
ataaataact	tttcatgtca	taaaataact	tagtagaatt	tataataaaa	ctttgagaat	120
ttaatattctc	atcaaaatac	aataaaatat	ggttttcaaa	tatgattaac	cctttcggct	180
tttcttttac	ttgagggcat	ataaaccaaa	aatacccaaa	ctatggctgc	acacttaaac	240
tttaacatat	ttggtttatt	ttaatgtaac	tcaaccattc	taaattaata	catagttttc	300
cttcctgcat	ggttccttgt	aatttttggt	ccttttgact	tatttttctg	tttcaacaca	360
gcttccttct	tcattttcac	ctcnttccat	ctgcaaagtc	atctatctcc	ggg	413

<210> 97
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(411)
 <223> n = a,t,c or g

<400> 97						
tttttttttt	ttttttccat	aggaaaaaaa	tattttatatt	ttttaagaac	aaattcagtt	60
tgaaacagat	gtggaatgtg	acttcacgga	tttcattttc	tggggctaac	tgcaatgtga	120
aactaaagca	gatttaaaac	ctatgacagg	ctattaaant	aaaacaaaaga	aagaaaaaan	180
tattttataac	tcaggcataa	tactgtgtta	cttacaantt	ggacaacgaa	atttttaata	240
aatattcatg	gtacatannt	acggcacaaa	tatgcagcan	tttgggcaac	ctnttatacc	300
nttttttctc	cnttacagtg	caaaggggaa	tgacactgcc	gttaaacaag	ctgtagctaa	360
ntacattgcc	aaaattcagn	ttttatacaa	aacantctgg	cttgggactt	t	411

<210> 98
 <211> 324
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(324)
 <223> n = a,t,c or g

<400> 98						
gnnccgggct	cctgtccaga	ccctgaccct	ccctcccaag	gctcaaccgt	cccccaacaa	60
ccgccagcct	tgtactgatg	tcggctgcga	ganctgtgct	taagtaagaa	tcaggcctta	120
ttggagacat	tcaagcaaa	ggttgacaac	tactttttcca	gaacagaaa	gaaactcatg	180
catcagaaaa	ggtgactaat	aaaggtagca	gaagaatatg	gctgcacaaa	taccagaatc	240
tgatcagata	aaacagttta	aggaattttc	ggggacctac	aataaaactta	cagagacctg	300
cttttttgac	tgtgttaaag	actt				324

<210> 99
 <211> 424
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(424)
 <223> n = a,t,c or g

<400> 99
 aataaagaca agtgttcaga tttattttgga aattcacagt ttctaattggc actacagctc 60
 cgtagttaca tattgaaaat tctcttccca caacacacag atcacataat ttctcactgt 120
 atctctgctc tcatctggac ctcttttcaa ggggcttcta taaaatcagg ccctcttgct 180
 ctgaatagct aattgtgcag acaggaaaaga aattttaaatc ttctaaaaca cgctgttaac 240
 ctaaagcagc aactttaaca aacaaaaaag gcgttaaata agtcacatta caaacaatac 300
 ccaagaaagg tattaggcaa gtttaaaaac agttatcact actaanagtg ctcaataagt 360
 tataacttaa acatcacaac aataaatggt caattctctc cctttcaaaa agaaacatgt 420
 tccn 424

<210> 100
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(387)
 <223> n = a,t,c or g

<400> 100
 aagagacagg gtcttgctat gttggccaag ttggtcttga accattggcc tcaagcaatt 60
 ctctgcctc agcctcccaa agggctagga ttacagggtg gagccactgc gnctggccag 120
 taatgcaatc tttaaaaccg atcttgcaga gtattaataa catgaggaac tcttcacaaa 180
 ggctacaaaa caatatataa aagcaaagaa attatatataa ggccatatat aattttttaa 240
 gagganaact ataaggcaca caggaaaggc gccnggggga ttgatggata tggcacaata 300
 tatttttttc tgggggtagg gtgacnatta ggggggtgcc nccttttttt ttttattggg 360
 ggccaaattg tagggttgat taaatac 387

<210> 101
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 101
 gattgtctcc ctattctttg attcaaaagc caattacaga aactatgaac ttgacctaat 60
 tctggttttt gacaattatg agacagaaat aaagaaatgc aagcagttct tttctttgca 120
 cactgaccat tttttaatta catcatcctc tatgatgatg gtgctttcac aactgcagct 180
 ctctgtatg tcaaaatcat tctggtttcc aggtaaatgg acaaaggaga tttgccttca 240
 gtgtctagaa ggcaatttac ttttcagctg ccttaattac ctatagttaa aaggaaagga 300
 atgccacata taggggtcct ttaaaccatc aaaatgggga ggttgccctc aagggcacca 360
 ttcccaaaca tttggtttca agtcccggag gctttcctat atgttacagt tatggtcatt 420

<210> 102
 <211> 565
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(565)
 <223> n = a,t,c or g

<400> 102
 tttttttttt cattgttggt gaacgtttat tgagctctaa caatgggaga ggtgccacac 60
 aaaacattag acacangtac ctgcccagtg gnttacaatc taatctaagg acatgaatct 120
 tttttttttt ttaaagacag agtctcactc tgtctaaaaa ataataataa taaaaagcat 180
 ttgaaatta gtcgcggtca atgcaattct actctttgga atccgttttag ctaaatgaat 240
 gtagtgctct tgttgaatgg aaacaggtga taggaaatgc ctaccatttg actcaatatg 300
 gataatcaag agttgctcag gatgcttggn tctgggggta gattctcatt catcattgcc 360
 ctggcacatg tcanttacta cataaaaagg caaatgcaat gtcaaatcca aagcctcagg 420
 agggaaagtg agttcagttc ccaagagaaac agcantagct caacaatgta aaacttcatt 480
 tagggtnat cggcattaan ttagtgctgt cgaaacanta cgttgagggn ttacagtacc 540
 accgggagtt ccctctcatg tccat 565

<210> 103
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 103
 gttaatgcac attggcagga aaatgggaac gaataaaatt gcttgctgtc cttctccctt 60
 tattctccac ttcttggttt ttctaaatgt ggggtcaaaa cttccatgag ggtaagaagt 120
 tcagttttct gcctttcccc ttcatctccc tatcacacat gtatactact ccttaacact 180
 tagagaagat aaaaaagaa taaattgtgg agaggagca tatgtgaaag taaaagattc 240
 ccagacataa tacgggagtt aatggagaaa gaaaatctct aaggaagact agaaataatt 300
 gggttaggga ttctcgagaa gtaaattaaa ttccccaaat atgggtattct ctgagaagat 360
 aattttgaag gaggcaatgg cgtggatata cagtggaaac agcagtcctc tggagcctgg 420
 gctgttgact tccaagggcc cagtttcttc tgggaggggc cagaaaatta cttttgaagg 480
 agggggaatg gggcctttat ttagggttat tagtaccctc tttattttta ggaattaat 539

<210> 104
 <211> 334
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(334)
 <223> n = a,t,c or g

<400> 104
 ttttttttgt tagtattcaa cactttaata tttatggtgt atcacataaa aaacaaagtc 60
 atatactttt gcattaatca aaaaatagca aatccatata atggcaaat caggaaaaaa 120
 attctagtat ttccacaaaa tacataatgt cttacagatg attatgtgaa ctttaaattg 180
 ctgcagccct acagagcttt tgttgccaat tgaaaaacaa aaaantccca acacaggatg 240
 ttcaaaaagc ctanttcata aaangacatt ttattccatg tttaatatag tgttttttag 300
 gatggttaaca taagtcatgc aacagctctg taaa 334

<210> 105
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = a,t,c or g

<400> 105
gcacaaattc caggaatgtt tatttgataa aattgagaaa tgaaagattt aaatgtttta 60
gagtccttata acattttatta agcttttgaa taggttaaato cattaaagaa ggaagcacaa 120
gcataatcat atgcataagg tatatgcata tgcataagca taatgttcct ccattataaaa 180
gaggataatt ctgtcaactt ccacttaata aaatcaattt ttttaataaca aaaatttgtc 240
tattcattcc tgcagcaata gtatctaagc ataattccaa gtataatctg tacacagctg 300
ttccaaagtc attattggag atcctgggna ttagacggga cattggaggt cagctcttct 360
aacctccaac atggggatcc ctccctatag gc 392

<210> 106
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = a,t,c or g

<400> 106
tttttttttg aagacatatt tcagttttat tatcttttag gcatagacgg gtatgttaat 60
ccattttccac aaacaattcc tataatcaca tatagggagt gaaccttgaa cttgcaaaac 120
ctgtttcctg ttgccaaaga gttaaattgg agagccgaaa cctcaaaagt tgaggatttg 180
gaattctttt tcttcttagc atcttcgtgc atgtggctgc cattaaacaa gtaagcttct 240
ctctttatcc aggcactgaa tcgatggtaa taatgttgtc ttttttttcc ccgggcaaac 300
tttctgcttt cgggtccaga gctctgagtt tctcatgttc tggctctcga ggttctgaca 360
gctgtttttg ggacttaaat taaccattgt caagtgggaa accaaggaaa taattgtagg 420
cataacccta cnctattggg ccaagtttgg cctactntac ggcaaatatt aacttaggaa 480
gttttaggaen ttttaaacc 498

<210> 107
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(360)
<223> n = a,t,c or g

<400> 107
aaatttagaa atttattctg tttaatccac aagctttata tagctttagt ttaaaaaaaaa 60
tcaaaacaaa aaaaaaaaaatc aaaacaaaaa cagtgaacc angacactat tccaaagtct 120
gggcccttcc agccttccaa atacaagngg ctctgaaagt tgtatatacc anttggngg 180
gancanggac aaaantntgg ancagggnc atggacattt cattaaacaa nttgtatgg 240
aactgagggg tcttttcggg ggnctaggct cattgccttt acaaagggaa aaaancaaan 300
caaaaaaanc aaacccggtt tacgggtggg ggggtcccgg tgtttccna ttcacttgg 360

<210> 108
<211> 414
<212> DNA
<213> Homo sapiens

<400> 108
ctgtttcaat aaaactttat tcacaaaaac aggtggcagg gtagatttgg tctctgtact 60
gtagttcact gaccttgat ctaaaagatt acatactttg aaaacagcaa tgccaaacct 120
tgaatccagg tccgatattt tccagcaatc gtgatgcttc tctgatcaac tgaatgaaac 180
agttataaat gtactggcta aatttagctt tatgcacttg ttttgtcccc tattacagta 240
taaacttttg gtgaataggg attttcaa atattaaagc gcttattttt ataccaata 300
cacacaaata cagaacttta ctatagcaga ttttttgacc ccaatttagt gtgctatctg 360
aataaaaggc ttagtaacta aaaaaagtgc tgtcttagat ttctgaacta tttt 414

<210> 109
 <211> 506
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(506)
 <223> n = a,t,c or g

<400> 109
 gctttatgta acaagatata gcataaccagg cctgccactc aacttggttg tggtaaagtc 60
 tcagcttcaa tatgaagccg ttaaaaaaaa aaaaacaaaa gtcttgcttt ttacatgcta 120
 aatatcttgt aagtgtgcc aataacatag ttatgaactt aagacagcaa gagttagtta 180
 aaagctaaac attgcagcct aaacaaaatt tatacaaaac ataaagtatc tatcactggc 240
 tatgtaaaaa tctcctgact gggttaaaact tgtgtaacac atgcgcttta gaattgtcag 300
 ctatcaagct cagaaagtac ctgcgtctac tcaacagtc ctctccaaag cccaagcgta 360
 gtcaaattga attcaaata cacaacacca tgtaaccctg gaaaacattc acttattatt 420
 ggatgggtgga gggtaaattc cagagctttg gggggccttc tcatgctgcn aaggggcccg 480
 ggtatctctg ggtcanttcg naggcag 506

<210> 110
 <211> 641
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(641)
 <223> n = a,t,c or g

<400> 110
 tttttttaat cgggtgtttg acagtttatt ttgaagggtca ttttaaaaaa aaagttaaag 60
 acaatctgag aaaaaaattg cacagaatac actcattaaa taggtatggg ttatgggtgat 120
 taaatcaaaa taagggaat atgttatctt ctgcaattcc agaaatagg tctgttgctc 180
 ggaagttctt atacatccaa aaagagggaa tgatcatggc aattaaagct gcctcttaat 240
 catgtaaatc tacagtagca actaaatctt tctgttcttc ccattaaagc agtttcgatc 300
 ttcaaactgt gccttggttt ttaaaagata agatgctaga aattcaatgg gatttggtgg 360
 tctttccttt gcaagcacag caagtccctg taataagata ggcacaactg gtctgatcca 420
 ggtaggcacg agttgggcaa agactgggag atctaccttc tgctttgatg acttttcngg 480
 cattaatcct ctcattttct actattctct cnaagttggg ctgtgagacc gtaccagag 540
 tgagggattt cctgcacctg gggttggtcc cccagcatct gctctgggtc catgngngac 600
 ccgcaagtca cagtccccgg atacaatccg ggcccaacct t 641

<210> 111
 <211> 373
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(373)
 <223> n = a,t,c or g

<400> 111
 tgtaacagg gggcagtgac aaaagcaaga tagccaaatg tgacatcaag ctccattggt 60
 tcggaaatcc aggattttga attcgagatg aaacaaccag caatcacagt taaatcttaa 120
 ctttgccctg actctttgta ggaatgatca gaaatttatc tttatcattc tgagtgcctc 180
 aggagtacaa taggaagaaa gatactggag aaagcactag tgtaatcacc atgaagtctg 240
 acaacaggag cccattattt gcgtactgtc ccaccctgta tcatgggttc tctgggnac 300
 aagctttatg gattcttcat taggagtta tttgtttgat ttgttcagta ggttgccgac 360

tttttaaatt ata

373

<210> 112
 <211> 395
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = a,t,c or g

<400> 112
 ctttgaatct atctgcaccg tttattagcc agttctacaa ggaatcnnc catgaaagtt 60
 atgccttatg ncgatatact ttttggatat gagacagaag ctgccacttt tgctagagag 120
 caaggctttg agactaaaga cattaaagag atagccaaaa agacacaagc cctgccaaag 180
 atgnactcaa agaggcagcg aatcgtgatc ttcacccaag ggagagatga cactantaat 240
 ggctacagaa agtgaagtca ctgcttttgc tgtcttggat caagaccaga aaganaatta 300
 ttgataccan tggaagctgg agatgcattt gttggagggt ttctgtctca actgggtctc 360
 tgacaagcct ctgtctgant gtatccgggc tggcc 395

<210> 113
 <211> 465
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(465)
 <223> n = a,t,c or g

<400> 113
 tttttttttt tgcacttaac cactaaatct ttattgaatt tttattgtaa cagcaatgca 60
 atattagcan atagagagaa atatagagtg aagagaatac agcaataaag ttagaaggag 120
 gggtaggggc aatgggggttc agtggtagga ggagggttac tgacaggggt aaaagcaagg 180
 gtttttattt atcactttta taacttccat gaaaatttac catccatcat tgacaagttc 240
 attctagcag taatttatca gaggtcactc atcctctatt aaattattaa tctaatacacc 300
 tttgaacttt ctcccactgg ggtttttatc catgtccaat tcgctctaaa taagttggtc 360
 tccctggcag ttccctccga gtttatttgg aaatctttaa ggntaggcat tataggggta 420
 aagggttaca agtaagtaac gntgtccacn tttggcgttt tctat 465

<210> 114
 <211> 503
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(503)
 <223> n = a,t,c or g

<400> 114
 gaagacggaa ccggagccgg ttgogggcna gtggacgcgg ttctgccgag agccgaagat 60
 ggcagtgaac gtatactcaa cgtcagtgac cagtgataac ctaagtcgac atgacatgct 120
 ggccctggat caatgagtct ctgcagttga atctgacaaa gatcgaacag ttgtgctcag 180
 gggctgcgta ttgtcagttt atggacatgc ctgttccctg gctccattgc cttgaagaaa 240
 gtgaaattcc aagctaagct agaacacgag tacatccaga acttcaaaat actacaagca 300
 ggttttaaga gaatgggtgt tgacaaaata attcctgtgg acaaattagt aaaaggaaag 360
 tttcaggaca attttgaatt cgttcagtggt ttcaagaagt ttttcgatgc aaactatgat 420
 ggaaaagact atgaccctgt ggctgccaga caagggtcaag aactgcagtn gtccttccct 480
 tgttgctcca ntctgaataa ccc 503

<210> 115
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(314)
 <223> n = a,t,c or g

<400> 115
 tagcaaagga aaacttttagt gaatgctact tgacaagaag aaaagtcatt tctcaagcac 60
 atacccaaac ttgaagggtga ttgaacccaa aataatgggt gggaaacacc aaatgagggtg 120
 ggagggaatg aggaaagatg tgtggggcca aagctatctg gttatatattt gatgttgcca 180
 atatcgcaaa gccaaaattt taatttgctt atttaataata tttgttgggc cagagatcta 240
 tttttatata caatgtgccn tgcattgntat atttaaaaaa aaaaatttgg ggaacgncct 300
 gttaggtnat gcc 314

<210> 116
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(491)
 <223> n = a,t,c or g

<400> 116
 aggaacaata agaacaatag gtaaagctat aattatggct tatatttaga aatgactgca 60
 tttgatattt taggatattt ttctagggtt ttctctttca ttttattctc ttctagtttt 120
 gacattttat gatagatttg ctctctagaa ggaaacgtct ttatttagga gggcaaaaat 180
 tttggtcata gcattcactt ttgctattcc aatctacaac tggaagatac ataaaagtgc 240
 tttgcattga atttgggata acttcaaaaa tcccatgggtt gttgttaggg gatagtacta 300
 aggcatttca gttccaggga gnaattaaaa ggaaattcct atttggaaat gaattcctca 360
 tttgggaggg aaaaaaagcc tgcctttcta ggcacaacca ggatggaaat tttggggant 420
 acaaagtggg cntccttccc cttgtggccg tccngttcc cccccgccca gtnccctccac 480
 acccaactgt t 491

<210> 117
 <211> 556
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(556)
 <223> n = a,t,c or g

<400> 117
 actattcggt aggtctttat ttttctctat gttctgcagt aactaaggaa aatcatggta 60
 aatgtcaatc ttcacacaac agcagacaca aagggtttca gaaacgtcag atatgaagaa 120
 atcctccatc cttcttcaac attttactgg gtatttcaac ttcaaaaagaa cagcttattt 180
 ctataagtgc tgtacaagat catagattat gatggaacga cttcatttta gaacgttagc 240
 aaaactgtta tactaaatgt caatgacagg aaacaaagaa aaaaatttgt tcaattatat 300
 ttttaaacat attgttattc tcaacaaacg gaatttttaa acgaatacaa ttttccatta 360
 tcaaaaagca aacactctat ttgcagttg aacaatgatc actgatcaca aatatacnaat 420
 acagtgtccc ccgcccccaa tcgacatcat ttccactta gggaccctgg catccactcc 480
 ctgggggtac ccgtgactcc ncctttacac cccccagggg ctggcctcag atctacctaa 540
 gggngggat aacccc 556

<210> 118
 <211> 597
 <212> DNA
 <213> Homo sapiens

```

<400> 118
agctgaagtt gaggatctct tactctctaa gccacggaat taacccgagc aggcattggag      60
gcctctgctc tcacctcatc agcagtgacc agtgtggcca aagtggtcag ggtggcctct      120
ggctctgccg tagttttgcc cctggccagg attgctacag ttgtgattgg aggagttgtg      180
gccatggcgg ctgtgcccac ggtgctcagt gccatgggct tcaactgcggc gggaatcgcc      240
tcgtcctcca tagcagccaa gatgatgtcc gcggcggcca ttgccaatgg ggggtggagtt      300
gcctcgggca gccttgtggg tactctgcag tcaactggag caactggact ctccggattg      360
accaagttca tcctgggctc cattgggtct gccattgcgg ctgtcattgc gaggttctac      420
tagctccctg cccctcgccc tgcagagaag agaaccatgc caggggagaa ggcacccagc      480
catcctgacc cagcgaggag ccaactatcc caaatatacc tgggtgaaat ataccaaatt      540
ctgcatctcc agaggaaaat aagaaataaa gatgaattgt tgcaactctt aaaaaaa      597

```

<210> 119
 <211> 394
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = a,t,c or g

```

<400> 119
tcccatgctg caataacaat tctgggaata agcaccctgc tgtagacaga agacagtatt      60
ctgcaatgac tgagaatgca gtttttttagt gattgcaatt actatctcat ttattcttgc      120
ttttatttct ttctctgtgt cctcttccct ctttttttaac catgttctta agacttcttt      180
tctgtgccaa aatcagtaaa gttacactct gaaggggata tcatcctttc aaacggggcca      240
tctaaggcag ctaattatgg cattgcattg ggggtctcta ctgaggaaaa attctgtgac      300
ttgaactaaa ttttttttaa tgtggggatt tttttttgaa aactaatatt ttaatatattgc      360
ttctccctgc atggnaaaaa ctgnccatt nctg      394

```

<210> 120
 <211> 476
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(476)
 <223> n = a,t,c or g

```

<400> 120
tccatattgc aattttctgt tacaattgca cacagaagta cagtgtacgt aagaaatata      60
tgtctgcata taacaaggta tgtacattgg caagtgatgt ctccaatgtt gaggtgggtcg      120
agcctcctag ccttgattgg cagttgaaaa aaatatattt atttcaattt gtgggtaaaa      180
gtttatttag agccaagtgt gcctgcaagt gaagaaaatg caggcaacga aggaacaggg      240
aacacggggc acataataat attctaagga ctttgtgccn ttaaggttaa aaatatctgt      300
tcataaggna attgggggtt cttttccacc tccccacccc caattgggga tttttcnggg      360
cttttaaaatt ttaggtattc cncgggggtt tnggggttgg ttcccttggc ctttttttct      420
tncaccgttn ctgtgggggg ttagtttggg ggtggtggcc ttntaggggt tccctt      476

```

<210> 121
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(431)
 <223> n = a,t,c or g

<400> 121
 agaacaaggt ctggttttat tttctggcag aatcttttaa aatataaaac agataaaaca 60
 catctcaacc ctgcaatctg ccagcatgcc ttgtttctac aagatgcatg ctagaccatg 120
 agactacata gcaaagggtc ttttaagagga tttggttggg agaaatagaa aaagcagatc 180
 ttagggaagc ctgggctagc ccaaaagctg agctacatcc ctgaacacta gagcagtcct 240
 tgtccttttc agatcctcgt atgtcttctt attcacaaca ttcccacttt gagtctcata 300
 ttcttcctca gtgtcagggt tggcaatcgg ttcttgaaag cnttctggaa attttcaagt 360
 ttgggccccca caaggagagc aggcacacct ccaatccggt ggtcaacaat tangcaaaag 420
 ntggagcngg g 431

<210> 122
 <211> 629
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = a,t,c or g

<400> 122
 tacattttat tcacatttat ttttcgcttt tagtgtgctc acagaaaatt agaacacctt 60
 aagcaggagt ttaatagcaa tttttgtaag caaagttaca ttccatctct aagtcaaatt 120
 ggtcaaagct tctccagtat ttacaaaaca tgatagacaa gatgctacac aaaaccattg 180
 catctgaaga ttttttttcc tttattctca aagacgactg gaaaagaaag cattatctgc 240
 tgtaatcaaa aacataccac agtataaaca gtaaccattc cacttatcac agcttggttg 300
 agttttaaatt ttgtgtttta aaagggtccaa gatgactgca gttttacaaa aatgggcagg 360
 gtggaaagtt gcaaacttca tgtgctctgg atatcaagat tgtttttata caatagtcac 420
 agttaaaaaac accctgctgg taatactaatt tacacttatt aaggtctaaa ccagcaataa 480
 accataaggc cataccactg tgggtctactt aatcangact gggncagcaa ctgagatagt 540
 gaaggtccat ggtaaataga ctccagacta tgtcgggttt ttttnaatcn gggatggggg 600
 ttccttttnc ctcnccggcg atcngagcc 629

<210> 123
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(460)
 <223> n = a,t,c or g

<400> 123
 agaagacaaa atgtttttatt ttaaaacatt gaaaaaacat taaaagacaa atgtccatta 60
 tgtaaccagg aatgtttaat atatggaaac ggtaaatctc taaaatgtgg taggtacttc 120
 cagagctaaa tgttgcaagt tctctactt ttttctctaa tagcaacaat acctgatacg 180
 atgaaaaata acaaaaagac cttactaatt atccnatcna agncntcnc cttggggtaa 240
 atttatatca acacaactta aagttttgtc caagatgttc ctgacacatg aagcttccag 300
 ttgaatttca gaaatgttaa caaaagtatc ttcccttttt gcctgtgaat gtttgagtat 360
 tgctgtattg ttgggcttat atccactaca gatactgggt tctaggccag cccaaggatc 420
 ttcaagcatt gaagggcttg aaataatatt ccaactcatt 460

<210> 124
 <211> 403
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(403)
 <223> n = a,t,c or g

```

<400> 124
ttttgaacat aaactcaaga ttttattgtc ttcataataa aagatgacac ttagaactgg      60
atcacttggc cttttctctt cttatctcct cccagttcaa aatgcttgca tcttttaata      120
gccagcattc tcttagatct gcagttgggc tcaacgcact caagccttag cacaatcttc      180
tttgtagttt tagccttttt cgggaaaatc ggcttagttt gccaccata gccactctgc      240
ttcctgggtc taacggccgc tttcccgggg gccgtacagn ggaatccttg cccttcttgg      300
tactgtgggc actttanggg ggttggggnc cttggccana acttttttac aggnaaggnc      360
ggcggggnt ttagggggac gntttaaacc atggcttgcg gtg                               403

```

<210> 125
 <211> 577
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = a,t,c or g

```

<400> 125
ttttttttgc taaaaaatgc atttatttcc agtcagacaa aattcttgaa ctgtatatcc      60
gggtacatat tataagggtca tctttgatat atgccctgtt tacaagatcc atttctaatt      120
attaaagtga atatcaaaca cacatctttg catcttaaaa cataaataaa ctgctaattgt      180
ttataagcca caaatctggt cactgacatg agtggcctgc aattcttcag tgatgagcac      240
acggcgatac agacaagatc agattaccca ggtaggcagg cagcaggcac ctgtaattca      300
cccgtgact gtgctgttgt ggcagtgacc cttcttgtga aaaaagagtt atgtgcagac      360
aaaagtgtga catatgcaac gtggagaggg atttcacaga atgcaaacac cattcaggta      420
aaatttagta gactccagaa tgaatgaaag cttcntgaat gcnaacctgt tggtttacia      480
tactggggca ttgtggcnc tttcactggg acagnttaat aaattcnatt taagaaagta      540
ngggtagggg agaagctgaa ccatcctttt tgntgtct                               577

```

<210> 126
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(475)
 <223> n = a,t,c or g

```

<400> 126
tttttttttg agatggacaa atatctttat ttacagcaac agatagaaca gaccctccct      60
cccttccctt cttttccctt tccagtottt tccatactgt tccnccctcc gccccacccc      120
aggctctcgc ctageccctgc cctctggggg tcaactgcgtg ggtaggccc ccaaaaaagc      180
ctaggaaagg agactggaga gggctggctg aggggtgggtg gggcgtctct ncacattttt      240
ctgtcctcta agcctggggg ggaggagaga ggcaggcacc aggagcaggg agaggtagag      300
agntacggcc ccaccggccc accctnccca agtaactttc acagtnttcc ccagccctgg      360
ntgccctttg cggcccctac cccagnccctg nccctaggtt tgtntctgta ggttntcagn      420
aattttattga acntggtaan caattaaaga tttcaagggtt tttttggcca tggggg          475

```

<210> 127
 <211> 432
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(432)
 <223> n = a,t,c or g

<400> 127
 tgagccctat gagtgggtata acccacacccc atgcctgcgg nacgccccac atcctggaga 60
 accagtacac gctgggcaac agctgtggtt tccgtggggg cttcatgcag cagggctcgg 120
 agatcatgcc ccgggcgctg tccacgcgct gtgtcagcgg agtctggtgg gccttcacct 180
 tgatcatcat ctccctctac acggccaacc tggcccnttc ctacccgtgc agcgcatgga 240
 ggtgcctgtg gagtgcggcg atgacctggc agatcagacc aacatcgagt atggcaccat 300
 ccacgccggc tccaccatga ccttcttcca gaattnacgg taccaaacgt accagcgcac 360
 gtgggaacta catgcagttc gaagcagccc agcgtgttcg tgcaagnngc acagnaagag 420
 gggcatttgc cc 432

<210> 128
 <211> 577
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = a,t,c or g

<400> 128
 cgtttttcgac gacagattaa ccaaaaatgc cccacacagg ttttattact gttatatact 60
 atacttttaa cagtacagac cctaaatttt attatttggt gctcccccaa tctgatacca 120
 aatgtttaaa gttgtttgaa atccaaacat ggtagtgttc atgggtaaat attttctagg 180
 ctatgtaaga gttagcagcc catagcatag aagtaatcaa gtagcatctg agactgttgg 240
 aggcaactagg gcctctctgg gcctaacage ctcaacttccc cagcctcacc ttgctgtcct 300
 ctgacactgc catcagggct gttagtgggc acctgtatga ggccaagtgt gcgtccaggg 360
 ggaacagcac aggttaatgc gtctccctag gaactcatgg aagtcagttt taatttcatg 420
 gcatggaaaca tggagtttca tttttatggt ttnttatagg tttcttngga cataccaaac 480
 catgcattgc ttaaattcag ataaatattt cagtttttgt gtttaggaag gctnagttgt 540
 tgtaggctgg gntccaatnt ggggcgtggt ttntttt 577

<210> 129
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 129
 agctgggggtt ttgagactgc ccttagagat agagaaacag acccaagaaa tgtgctcaat 60
 tgcaatgggc cacataccta gatctccaga tgtoatttcc cctctcttat ttttaagttat 120
 gttaagatta ctaaaacaat aaaagctcct aaaaaatcaa aaaaaaaaaa aaaaaaaacc 180
 tcgtgc 186

<210> 130
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(466)
 <223> n = a,t,c or g

<400> 130

gnttttnttt	tnttgagnag	atgnacattt	ctttattcca	ccatgggttct	gaacncccag	60
ctagtttggg	ttggagtgg	tcnngcttg	taaacncaga	ggaatgccng	ccatcgtttt	120
ctgaagggaa	agggcagggg	tttcngagt	gaggggaaaa	acaacattgg	aaatctggct	180
gcttctgaac	aagaccacac	tggaaaatag	actttttact	tttagcacat	caaactgggt	240
ttcacaaaa	gagatcccag	aagaggtttg	tttccntaa	gaagcagtgt	ttatgtaata	300
gaggtctttg	tagatgggtg	ctgtatccca	tggcagccct	tgctcnggg	gcccacaggc	360
taatcactgg	ggcggattca	gctactgaat	attttcttta	gacgtataaa	gccttgggtc	420
cctttcccat	caactccacg	tatttttcaa	canggccctt	tggtt		466

<210> 131
 <211> 6115
 <212> DNA
 <213> Homo sapiens

<400> 131

caaatacaaa	agattttgac	tctttctgaag	atgagaaaca	cagcaaaaaa	ggaatggata	60
atcaagggca	caaaaatttg	aagacctcac	aagaaggatc	atctgatgat	cgtgaaagaa	120
aacaagagag	agagactttc	tcttcagcag	aaggcacagt	tgataaagac	acgaccatca	180
tggaattaag	agatcgactt	cctaagaagc	agcaagcaag	tgcttccact	gatgggtgctg	240
ataagctttc	tgggaaagag	cagagtttta	cttctttgga	agttagaaaa	gttgctgaaa	300
ctaaagaaaa	gagcaagcat	ctcaaaaacca	aaacatgtaa	aaaagtacag	gatggcttat	360
ctgatattgc	agagaaattc	ctaaagaaa	accagagcga	tgaaaacttct	gaagatgata	420
aaaagcagag	caaaaaggga	actgaagaaa	aaaagaaacc	ttcagacttt	aagaaaaaag	480
taattaaaa	ggaacaacag	tatgaatctt	catctgatgg	cactgaaaag	ttacctgagc	540
gagaagaaat	ttgtcatttt	cctaagggca	taaaacaaat	taagaatgga	acaactgatg	600
gagaaaagaa	aagtaaaaaa	ataagagata	aaacttctaa	aaagaaggat	gaattatctg	660
attatgctga	gaagtcaaca	gggaaaggag	atagttgtga	ctcttcagag	gataaaaaga	720
gtaagaatgg	agcatatggg	agagagaaga	aaagggtgca	gttgcttgga	aagagttcaa	780
ggaagagaca	agattgttca	tcatctgata	ctgagaaata	ttccatgaaa	gaagatgggt	840
gtaactcttc	tgataagaga	ctgaaaagaa	tagaattgag	ggaaaagaa	aatttaagtt	900
caaagagaaa	tactaaggaa	atacaaagt	gctcatcatc	atctgatgct	gaggaaagtt	960
ctgaagataa	taaaaagaag	aagcaaaaga	cttcatctaa	aaagaaggca	gtcattgtca	1020
aggagaaaaa	gagaaactcc	ctaagaacaa	gcactaaag	gaagcaagct	gacattacat	1080
cctcatcttc	ttctgatata	gaagatgatg	atcagaattc	tataggtgag	ggaagcagcg	1140
atgaacagaa	aattaagcct	gtcaactgaaa	attttagtgct	gtcttcacat	actggatttt	1200
gccaatcttc	aggagatgaa	gccttatcta	aatcagtgcc	tgtcacagt	gatgatgatg	1260
atgacgacaa	tgatcctgag	aatagaattg	ccaagaagat	gcttttagaa	gaaattaaag	1320
ccaatctttc	ctctgatgag	gatggatctt	cagatgatga	gccagaagaa	gggaaaaaaa	1380
gaactggaaa	acaaaatgaa	gaaaaccocag	gagatgagga	agcaaaaaat	caagtcaatt	1440
ctgaatcaga	ttcagattct	gaagaatcta	agaagccaag	atacagacat	aggcttttgc	1500
ggcacaaaatt	gactgtgagt	gacggagaat	ctggagaaga	aaaaaagaca	aagcctaag	1560
agcataaaga	agtcaaaggc	agaaacagaa	gaaagggtgag	cagtgaagat	tcagaagatt	1620
ctgatttttca	ggaatcagga	gttagtgaag	aagttagtga	atccgaagat	gaacagcggc	1680
ccagaacaag	gtctgcaaa	aaagcagagt	tggaaagaaa	tcagcggagc	tataaacaga	1740
aaaagaaaag	gcgacgtatt	aaggttcaag	aagattcatc	cagtgaaaac	aagagtaatt	1800
ctgaggaaga	agaggaggaa	aaagaagagg	aggaggaaga	ggaggaggag	gaggaagagg	1860
aggaggaaga	tgaaaatgat	gattccaagt	ctcctggaaa	aggcagaaa	aaaattcgga	1920
agattcttaa	agatgataaa	ctgagaacag	aaacacaaaa	tgctcttaag	gaagaggaag	1980
agagacgaaa	acgtattgct	gagagggagc	gtgagcgaga	aaaattgaga	gaggtgatag	2040
aaattgaaga	tgcttcaccc	accaagtgtc	caataacaac	caagttgggt	ttagatgaag	2100
atgaagaaac	caaagaacct	ttagtgcagg	ttcatagaaa	tatggttatc	aaattgaaac	2160
cccatcaagt	agatgggtgt	cagtttatgt	gggattgctg	ctgtgagtct	gtgaaaaaaa	2220
caaagaaatc	tccagggttc	ggatgcattc	ttgcccactg	tatgggcctt	ggtaagactt	2280
tacaggtggg	aagttttctt	catacagttc	ttttgtgtga	caaactggat	ttcagcacgg	2340
cgttagtggg	tttgtcctcc	tcaatacttg	cttttaattg	gatgaatgaa	tttgagaagt	2400

ggcaagagggg	attaaaaagat	gatgagaagc	ttgaggtttc	tgaattagca	actgtgaaac	2460
gtcctcagga	gagaagctac	atgctgcaga	ggtggcaaga	agatggtggt	gttatgatca	2520
taggctatga	gatgtataga	aatcttgctc	aaggaaggaa	tgtgaagagt	cggaaactta	2580
aagaaatatt	taacaaagct	ttggttgatc	caggccctga	ttttgttggt	tgtgatgaag	2640
gccatattct	aaaaaatgaa	gcatctgctg	tttctaaagc	tatgaattct	atacgatcaa	2700
ggaggaggat	tatttttaaca	ggaacaccac	ttcaaaaataa	cctaattgag	tatcattgta	2760
tggttaattt	tatcaaggaa	aattttacttg	gatccattaa	ggagttcagg	aatagattta	2820
taaatccaat	tcaaaatggt	cagtgtgcag	attctaccat	ggtagatgtc	agagtgatga	2880
aaaaacgtgc	tcacattctc	tatgagatgt	tagctggatg	tgttcagagg	aaagattata	2940
cagcattaac	aaaattcttg	cctccaaaac	acgaatatgt	gtagctgtg	agaatgactt	3000
ctattcagtg	caagctctat	cagtactact	tagatcactt	aacaggtgtg	ggcaataata	3060
gtgaaggtgg	aagaggaaag	gcaggtgcaa	agctttttcca	agatttttcag	atgttaagta	3120
gaatatggac	tcacctcttg	tgtttgcagc	tagactacat	tagcaaagaa	aataagggtt	3180
atthttgatga	agacagtatg	gatgaattta	tagcctcaga	ttctgatgaa	acctccatga	3240
gtttaagctc	cgatgattat	acaaaaaaga	agaaaaaagg	gaaaaagggg	aaaaaagata	3300
gtagctcaag	tggaaagtggc	agtgacaatg	atggtgaagt	gattaagggtc	tggaaattcaa	3360
gatctcgggg	aggtggtgaa	ggaaatgtgg	atgaaacagg	aaacaatcct	tctgtttcct	3420
taaaactgga	agaaagtaaa	gctacttctt	cttctaatacc	aagcagccca	gctccagact	3480
ggtacaaaaga	ttttgtttaca	gatgctgatg	ctgaggtttt	agagcattct	gggaaaatgg	3540
tacttctctt	tgaattctct	cgaatggcag	aggaaattgg	ggataaagtc	cttgttttca	3600
gccctccctt	catattctct	gacttgattg	aagattttct	tgaattagct	agtagggaga	3660
agacagaaga	taaagataaaa	ccccttattt	ataaagggtga	ggggaagtgg	cttcgaaaca	3720
ttgactatta	ccgttttagat	ggttccacta	ctgcacagtc	aagggaagaag	tgggctgaag	3780
aatttaataga	tgaactaat	gtgagaggac	gattatthtt	catttctact	aaagcaggat	3840
ctctaggaat	taatctggta	gctgctaate	gagtaattat	attcgacgct	tcttggaatc	3900
catcttatga	catccagagt	atattcagag	tttatcgctt	tggacaaact	aagcctgttt	3960
atgtatatag	gttcttagct	cagggaacca	tggaaagataa	gatttatgat	cggcaagtaa	4020
ctaagcagtc	actgtctttt	cgagttgttg	atcagcagca	ggtggagcgt	cattttacta	4080
tgaatgagct	tactgaactt	tatacttttg	agccagactt	attagatgac	cctaattcag	4140
aaaagaagaa	gaagagggat	actcccatgc	tgccaaagga	taccatactt	gcagagctcc	4200
ttcagatata	taaagaacac	attgtaggat	accatgaaca	tgattctctt	ttgaccacaa	4260
agaagaagaa	gaggttgact	gaagaagaaa	gaaaagcagc	ttgggctgag	tatgaaggag	4320
agaagagggt	actgaccatg	cgttttcaaca	taccaactgg	gaccaattta	ccccctgtca	4380
gtttcaactc	tcaaactcct	tatatctcct	tcaattttggg	agccctgtca	gcaatgagta	4440
atcaacagct	ggaggacctc	attaatcaag	gaagagaaaa	agttgtagaa	gcaacaaaca	4500
gtgtgacagc	agtgaggatt	caacctcttg	aggatataat	ttcagctgta	tggaaaggaga	4560
acatgaatct	ctcagaggcc	caagtacagg	cgtttagcatt	aagtagacaa	gccagccagg	4620
agcttgatgt	taaacgaaga	gaagcaatct	acaatgatgt	attgacaaaa	caacagatgt	4680
taatccagct	gtgttcagcg	aatactttat	aacagaaggc	tccagcagca	gtacaatcag	4740
cagcaacagc	aacaaatgac	ttatcaacaa	caacactggg	tcaccacatg	atgccaaagc	4800
cccgaatttt	gttcatgaat	ccttctaact	accagcagat	tgatatgaga	ggaattgtatc	4860
agccagtggc	tgggtggtatg	cagccaccac	cattacagcg	gtgcaaccacc	cccaatgaga	4920
agcaaaaaat	ccaggacctt	cccaagggaa	atcaatgtga	ttttgcaacta	aaagcttaaat	4980
ggattgttaa	aatcatagaa	agatctttta	tttttttagg	aatcaatgac	ttaacagaac	5040
tcaactgtat	aaatagtttg	gtccccttaa	atgccaatct	tccatattag	ttttactttt	5100
tttttttttaa	atagggcata	ccattttcttc	ctgacatttg	tcagtgatgt	tgccatagaat	5160
cttcttacac	acgctgagta	cagaagatat	ttcaaatgtt	tttcagttaa	aacaagtcct	5220
tccataatag	taacaactcc	acagattttcc	tctctaaatt	tttatgcctg	cttttagcaa	5280
ccataaaaat	gtcataaaa	taataaaatt	aggaaagaat	aaagatttat	atattcattc	5340
tttacatata	aaaacacaca	gctgagttct	tagagttgat	tcctcaagtt	atgaaatact	5400
tttgtactta	atccattttct	tgattaaagt	gattgaaatg	gttttaaatgt	tcttttgagc	5460
tgaagtcttg	aaactgggct	cctgctttat	tgtctctgtg	acctgaaagt	tagaaactga	5520
ggggttatct	ttgacacaga	atthgtgtgc	aaatattctt	aaatcctact	gccctaaaag	5580
ttggagaagt	cttgacagta	tcttagcatt	gtataaacag	ccttaagtag	agcctaagaa	5640
gagaattcct	ttccctcctt	tagtccttct	ccatttttta	ttttcagtta	tatgtgctga	5700
aataattact	ggtaaaaattc	agggttgtgg	attatcttcc	acacatgaat	tttctctctc	5760
ctggcacgaa	tataaagcac	atctcttaac	tgcattggtgc	cagtgtctaat	gcttcatect	5820
gttgctggca	gtgggatgtg	gacttagaaa	atcaagttct	agcatttttag	taggttaaca	5880
ctgaagttgt	ggttggttagg	ttcacacctt	gtttttataaa	caacatcaaa	atggcagaac	5940
cattgtctgac	tttaggttca	catgaggaat	gtacttttaa	caattcccag	tactatcagt	6000
attgtggaaa	taattcctct	gaaagataag	gatcactggc	ttctatgcgc	ttcttttctc	6060

tcatcatcat gttctttttac cccagtttcc ttacattttt taaattgttt cagag

6115

<210> 132
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 132
 tttttttttc ttttagacatt tttcctctag agtaactttt caaggccttc tcatgaacag 60
 ccttaagttt tattgtcaaa ataaatgcac ttattttggg aaacagtttg aagtaagtaa 120
 taagcatttg ccactgtact tacaacttct cttgaagttc gctttctatt taggtcacta 180
 gcttttaaat aaagccaacc ctgggttctgc gttacttact acatttttacc tatagtcatt 240
 cccacaaagg atgcaatatt atattagaaa gaaatattac tttaaatttg ttgaaaaata 300
 gaaggaccaa ttttagagctc tgacctaggt tcagtccggg aaatgggtct ttcataaatt 360
 caggatccaa ttacttccac agttttatta ctgttcagtt tattactaac cggacaggcc 420
 tattgggta a 431

<210> 133
 <211> 454
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(454)
 <223> n = a,t,c or g

<400> 133
 agatttggtg tccccagggt atntttgatg ctgccactta tctggccctc attaatgctg 60
 tctatttcaa ggggaactgg aagtcgcagt ttaggcctga aaatactaga accttttctt 120
 tcactaaaga tgatgaaagt gaagtccaaa ttccaatgat gtatcagcaa ggagaatttt 180
 attatgggga atttagtgat gggtccaatg aagctgggtg tatctaccaa gtcctagaaa 240
 taccatatga aggagatgaa ataagcatga tgctgggtgct gtccagacag gaagttcctc 300
 ttgctactct gggagccatt agtcaaagca cagctgggtt ggaaggaatg gggcaaactc 360
 tgtggaagga aggcaaaaag taggaagttt tacctgcccc aggtttcaca gtggggaacc 420
 agggaatttg gattttttaa agntgttttt gaag 454

<210> 134
 <211> 509
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(509)
 <223> n = a,t,c or g

<400> 134
 tgcattgcaga ggaaccttat attgaaaatg aagagccaga gccagagccg gagccagctg 60
 caaaaacaaac tgaggcacca agaattgttg cagttgttac tgaatcatct acaagtccat 120
 atgttacctc atacaagtca cctgtcacca ctttagataa gagcactggc attggggatc 180
 tctacagaat cagaagatgt tcctcagctc tcaggtgaaa ctggcgatag gaaaaacccg 240
 aaggagtttn gggaagcacc ccagaggagt tngggattaa ttgatggaca tttttggaaa 300
 aaaattttta gggatattta ttttcaccaa gtggcaacag gggatttttt taggntggac 360
 acccggcaac ccccggttta ttggggggag ggtntttgag gnccttttaa gttccacnt 420
 taaacggagg gctttntttt tgggcgggag gncggcaggg accttanttt tnaaacctgt 480
 tttaggtccc cgtttttttn ccgtggggg 509

<210> 135
 <211> 604
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(604)
 <223> n = a,t,c or g

```

<400> 135
ctccgcagnt ggatgtcagc gacgtcatta aaagggaaaag caccctgaac atggtggtcc      60
gcagggtaat gaagatatca tgatcacagt gattcccgaa gaaattgacc cataggcaga      120
ggcatgagct ggacttcatg ttccctcaa agactctccc gtggatgacg gatgaggact      180
ctgggctgct ggaataggac actcaagact ttgactgcc attttgtttg ttcagtggag      240
actccctggc caacagaatc cttcttgata gtttgaggc aaaacaaatg taatgttgca      300
gatccgcagc agaagctctg cccttctgta tcctatgtat gcagtgtgct ttttcttgcc      360
agcttgggcc attcttgctt agacagtcag catttgtctc ctcctttaac tgagtcacga      420
tcttagtcca actaatgcag tcgatacaat gcgtagatag aagaagcccc acgggagcca      480
ggatgggact ggtcgtgttt gtgcttttct ccnagtcagc acccaaaggt caatgcacag      540
agacccggg tggggtganc cctggcttct caangggcgc aantgccct ttaagaactc      600
cttg                                             604

```

<210> 136
 <211> 367
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(367)
 <223> n = a,t,c or g

```

<400> 136
tttttttttt tttttttcta gtataaatgt ttattggttt aggggaactg acatttaatc      60
atttgctgtt ccaagatctt tatagtgaac agaaagattt tgaaaactga aggctttacg      120
tctagtctct agtttaggna atgttaagcc tcttaagcaa tatgaatatg tttggaagct      180
gctacatgct atactttttc agaaccagat gcaacaattt ggntaaagta acatagtagg      240
aagngatcac taattttcct ttcccccaa taatctgtgt ttattatgcc nattttaatt      300
accntggcaa tctaattggg tttangggct tatattttcc acatcactgg gncatcacaa      360
acatgga                                             367

```

<210> 137
 <211> 1203
 <212> DNA
 <213> Homo sapiens

```

<400> 137
ggacgctgat gcgtttgggt tctcgtctgc agaccctctg gacctgggtc cgattccata      60
atgtaccaca acagtagtca gaagcggcac tggaccttct ccagcgagga gcagctggca      120
agactgcggg ctgacgcaa cgcgaaatc agatgcaaag ccgtggccaa cggaaggtt      180
cttccgaatg atccagtctt tcttgagcct catgaagaaa tgacactctg caaatactat      240
gagaaaaggt tattggaatt ctgttcgggt ttttaagccag caatgccaag atctgttgtg      300
ggtacggctt gtatgtatct caaacgtttt tatcttaata actcagtaat ggaatatcac      360
cccaggataa taatgctcac ttgtgcattt ttggcctgca aagtagatga attcaatgta      420
tctagtcctc agtttggttg aaacctccgg gagagtcctc ttggacagga gaaggcactt      480
gaacagatac tggaaataga actacttctt atacagcaac ttaatttcca ccttattgtc      540
cacaatcctt acagaccatt tgagggtctt ctcctcgact taaagaccg ctatcccata      600
ttggagaatc cagagatttt gaggaaaaca gctgatgact ttcttaatag aattgcattg      660
acggatgctt accttttata cacaccttcc caaattgccc tgactgccat tttatctagt      720
gcctccaggg ctggaattac tatggaaagt tatttatcag agagtctgat gctgaaagag      780

```

aacagaactt	gcctgtcaca	gttactagat	ataatgaaaa	gcatgagaaa	cttagtaaag	840
aagtatgaac	cacccagatc	tgaagaagtt	gctgttctga	aacagaagtt	ggagcgatgt	900
cattctgctg	agcttgcaat	taacgtaatc	acgaagaaga	ggaaaggcta	tgaagatgat	960
gattacgtct	caaagaaatc	caaacatgag	gaggaagaat	ggactgatga	cgacctggta	1020
gaatctctct	aaccatttga	agttgatttc	tcaatgctaa	ctaatacaaga	gaagtaggaa	1080
gcatatcaaa	cgtttaactt	tattttaaaaa	gtataatgtg	aaaacataaa	atatattaaa	1140
acttttctat	tgttttcttt	ccctttcaca	gtaactttat	gtaaaataaa	ccatcttcaa	1200
aag						1203

<210> 138
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(498)
 <223> n = a,t,c or g

<400> 138						
tttnacctcc	tggggtcaag	caatcctccc	acctcagcct	cctaagtagc	tgggattaca	60
ggtggcgaca	gacaaagttg	cagaaaagct	gagctctact	ctctcatggg	tgaagaacac	120
agtatcgcat	acagtcagtc	agatggccag	tcagggtggca	agtccatcta	cttcattaca	180
taccacatcc	tcattctacca	cactatcaac	accagccctt	tcaccatctt	ccccatcaca	240
gttgagtcca	gacgacttag	aactcctggc	taaactggaa	gaacagaata	ggcttgagta	300
cagtgggcgtg	accacggcctt	cactgcagct	tttgacctcc	ttgggttcag	gtgattcctt	360
cgacctctgc	ctcccaagtg	ggtgggggact	acagggttggt	taggaaacgg	gatagttaag	420
tctttaaggt	cttttaaatg	gggttcaagg	aaggaaacag	tgggtcttct	cttggtgtcg	480
agtttattca	ggcctttt					498

<210> 139
 <211> 425
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(425)
 <223> n = a,t,c or g

<400> 139						
ttttttttta	aaaatcataa	ctaacattta	ttgagtgccta	actgtgtgcc	aggcctttat	60
taactcatgt	gacccctcaa	gcgaggttgg	ctctgtcatt	gtcatcgttt	tacagatgca	120
gaaactgaag	aacagagaa	cttagatagct	catgcaagat	gacaacacag	caggaggtga	180
cagacacttt	atttcgttac	cgtgagataa	tatttcaaat	aagtgtatgg	gaaaggaaag	240
ttagaaaagg	gaaaaaatgg	cagccggaaa	gataaggagg	agccagggtg	aggtcccaac	300
tccaagtaca	ccatgggagg	tcctaaggca	aggggacatg	cagaggggga	gatctgagct	360
ttcccagcca	nccaggncaa	aaagtgttca	ttcagttcac	attttttcac	aagtgncttg	420
cccag						425

<210> 140
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(596)
 <223> n = a,t,c or g

```

<400> 140
ttggctctag attttccaga caagccttgg gatcaatcat cttttccacc ttaaattttg      60
gaatggagag tttgaccttg gcattggcat cgggtgctggg attagtccac tgtgacagtg      120
actctgagtt gagttgtttt tcaatcttct ccaagcctgt ggactcatcc tccacatcct      180
tgggtagtag gatgaacatg ctgagatgct tattttgaaa aggaagctct atgatcttac      240
aattgatact gtcaatgttt cccatacaga acgtggcctc catgttcac c atctgactg      300
gtttggtgtc tgtcttggtg actctgaaag gacattcttt tgtttctgat tcaggaaatt      360
tcttcatcca cttgccaaaca aagtaggcag cattaaccac aaggattttg ggtctggtcg      420
ttcacactgt tgtcagctaa aatgtttctc aagtgggcca tctgtgagat ccttaattga      480
gttggttgat ctgacctttc ggttcctcca atttaacctt ggaagtcaac agtttccaaa      540
tcccttgcac aggggcnct ccgtagagct gatgaacncg gtagaagant cagaga          596

```

```

<210> 141
<211> 233
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(233)
<223> n = a,t,c or g

```

```

<400> 141
gcatcgtgtc cacctggtgc cggcgtgatt gccccgnac cccagccag aacacgcagg      60
ccagccgtgc cccccaggca cctttctcag ccagcagctc cagctcagag cagtgccagc      120
cccaccgcaa ctgcacggnc ctggnttggc cctcaatgtg ccaggctctt cctcccatga      180
cacctgtgc accagctgca ctggcttccc cctcagcacc aggtaccan gag          233

```

```

<210> 142
<211> 567
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = a,t,c or g

```

```

<400> 142
tttttttttc ggatgctcca atggctttat taactccctc tttccgttgt ggcaggacct      60
cattagctgc agantggaag ggaggccaag aagctgtggt ctcagtacgg gtcattaaag      120
gggtacagag gatgccctgc atcccttcgg gactctcttc ccatccaccg taagcatagg      180
cacaatatat ctccaatttt tgttcagggc atttagctgc ttcattctct ctgggctaaa      240
ggtgaagtca aacaccttga tgttctgaag gattcgagaa ggagtgatac ttttggggat      300
gcagatcact ttccgctgga cctgccacct gagcaagatc tgagctggag atcggccata      360
cttttcagcc aatgccagga ctactggttc ctccaagcag gacaggctca tcaggatcac      420
gccatgcncg atcagaagga gccccaaagg ggattaagca gttacctcca ngccacgtgc      480
nttgaagttg gnaaataagc ncanttttag nccaatatng gggggaattc cncctggnaa      540
aaancttgac nncgggggc cacactg          567

```

```

<210> 143
<211> 469
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = a,t,c or g

```

<400> 143

tggaataaca	gcagtaaaca	gaatagaaaa	agtctacatt	ttaattagca	gataagtaaa	60
aataagtga	taaattgtata	ttattcaggg	ggccatattg	gcaattgctg	ttaagtaaa	120
cagaacatgg	agtggagtag	ggatgacagg	tttcatcagt	taataacttga	gcagagagct	180
gaatacagta	agatagttgt	aggatatctt	gaggcagagt	attctcagaa	cagaacatgg	240
taagtacaaa	ggccccaagg	caggaacaag	cttggtgaat	gtgagaaata	tgcaagctgg	300
ttaatgtggc	tgaagcacag	tgaccaaggg	aaagttttac	agagatcacg	gaggtgcttg	360
agggctggnt	tatgtaggcc	cttaaggagc	atcacaggcc	actgcagagg	ttttgtcntt	420
taatgaggt	gagtgtctct	ggagattgtg	actcgagagg	cccttggt		469

<210> 144

<211> 3640

<212> DNA

<213> Homo sapiens

<400> 144

aatctatcag	gaacgcgtgc	gtcgcgtggt	cgtgcggctc	tgcccgctca	gctcggctgg	60
gtgagcgcac	gcgagcgcag	cggcagcgtg	tttctaggtc	gtgcgtcggg	cttcgggagc	120
tttgccggag	ctagggagga	tggcggagtc	ttcggataag	ctctatcgag	tcgagtacgc	180
caagagcggg	cgcgcctctt	gcaagaaatg	cagcgagagc	atccccaagg	actcgcctccg	240
gatggccatc	atgggtcagt	cgcccatggt	tgatggaaaa	gtcccacact	ggtaccactt	300
ctcctgcttc	tggaaagtgg	gccactccat	ccggcaccct	gacgttcagg	tggtatgggtt	360
ctctgagctt	cgggtgggatg	accagcagaa	agtcaagaag	acagcgggaag	ctggaggagt	420
gacaggcaaa	ggccaggatg	gaattggtag	caaggcagag	aagactctgg	gtgactttgc	480
agcagagtat	gccaaagtcca	acagaagtac	gtgcaagggg	tgtatggaga	agatagaaaa	540
gggccagggtg	cgcctgtcca	agaagatggt	ggaccgcgag	aagccacagc	taggcatgat	600
tgaccgctgg	taccatccag	gctgctttgt	caagaacagg	gaggagctgg	gtttccggcc	660
cgagtacagt	gcgagtcagc	tcaagggtct	cagcctcctt	gctacagagg	ataaagaagc	720
cctgaagaag	cagctcccag	gagtcaagag	tgaaggaaag	agaaaaggcg	atgaggtgga	780
tggagtggat	gaagtggcga	agaagaaatc	taaaaaagaa	aaagacaagg	atagtaagct	840
tgaaaaagcc	ctaaaggctc	agaacgacct	gatctggaac	atcaaggacg	agctaaagaa	900
agtgtgttca	actaatgacc	tgaaggagct	actcatcttc	aacaagcagc	aagtgccttc	960
tggggagtcg	gcgatcttgg	accgagtagc	tgatggcatg	gtgttcgggtg	ccctccttcc	1020
ctgcgaggaa	tgctcgggtc	agctggtctt	caagagcgat	gcctattact	gcactgggga	1080
cgtcactgcc	tggaccaagt	gtatggtcaa	gacacagaca	cccaaccgga	aggagtgggt	1140
aaccccaaag	gaattccgag	aatctcttta	cctcaagaaa	ttgaaggtta	aaaagcagga	1200
ccgtatatct	ccccagaaa	ccagcgcctc	cgtggcggcc	acgcctccgc	cctccacagc	1260
ctcggctcct	gctgctgtga	actcctctgc	ttcagcagat	aagccattat	ccaacatgaa	1320
gacctgact	ctcgggaagc	tgtcccggaa	caaggatgaa	gtgaaggcca	tgattgagaa	1380
actcgggggg	aagttgacgg	ggacggccaa	caaggcttcc	ctgtgcatca	gcacaaaaaa	1440
ggaggtggaa	aagatgaata	agaagatgga	ggaagtaaag	gaagccaaca	tccgagttgt	1500
gtctgaggac	ttcctccagg	acgtctccgc	ctccaccaag	agccttcagg	agttgttctt	1560
agcgcacatc	ttgtcccctt	ggggggcaga	ggtgaaggca	gagcctgttg	aagttgtggc	1620
cccaagaggg	aagtcagggg	ctgcgctctc	caaaaaaagc	aagggccagg	tcaaggagga	1680
aggtatcaac	aaatctgaaa	agagaatgaa	attaactctt	aaaggaggag	cagctgtgga	1740
tcttgattct	ggactggaac	actctgcgca	tgtcctggag	aaagggtggga	aggtcttcag	1800
tgccaccctt	ggcctggtgg	acatcggtta	aggaaccaac	tcctactaca	agctgcagct	1860
tctggaggac	gacaaggaaa	acaggtattg	gatattcagg	tcctggggcc	gtgtgggtac	1920
ggtgatcgg	agcaacaaac	tggacagat	gcggtccaag	gaggatgcca	ttgagcactt	1980
catgaaaatta	tatgaagaaa	aaaccgggaa	cgtttggcac	tccaaaaaatt	tcacgaagta	2040
tcccaaaaag	ttctaccccc	tggagattga	ctatggccag	gatgaagagg	cagtgaagaa	2100
gctgacagta	aatcctggca	ccaagtccaa	gctccccaag	ccagttcagg	acctcatcaa	2160
gatgatcttt	gatgtggaaa	gtatgaagaa	agccatgggtg	gagtatgaga	tcgaccttca	2220
gaagatgccc	ttgggggaagc	tgagcaaaaag	gcagatccag	gccgcatact	ccatcctcag	2280
tgaggtccag	caggcgggtg	ctcagggcag	cagcgactct	cagatcctgg	atctctcaaa	2340
tcgcttttac	acctgatcc	cccacgactt	tgggatgaag	aagcctccgc	tcctgaacaa	2400
tgcagacagt	gtgcaggcca	aggtggaaat	gcttgacaac	ctgctggaca	tcgaggtggc	2460
ctacagtctg	ctcaggggag	ggtctgatga	tagcagcaag	gatcccatcg	atgtcaacta	2520
tgagaagctc	aaaactgaca	ttaagggtgt	tgacagagat	tctgaagaag	ccgagatcat	2580
caggaagtat	gttaagaaca	ctcatgcaac	cacacacaat	gcgtatgact	tggaagtcat	2640
cgatatcttt	aagatagagc	gtgaaggcga	atgccagcgt	tacaagccct	ttaagcagct	2700

tcataaccga	agattgctgt	ggcacgggtc	caggaccacc	aactttgctg	ggatcctgtc	2760
ccagggctct	cggatagccc	cgctgaagc	gcccgtgaca	ggctacatgt	ttggtaaagg	2820
gatctatttc	gtcgacatgg	tctccaagag	tgccaactac	tgccatacgt	ctcagggaga	2880
cccaataggc	ttaatcctgt	tgggagaagt	tgcccttgga	aacatgtatg	aactgaagca	2940
cgcttcacat	atcagcaagt	tacccaaggg	caagcacagt	gtcaaagggt	tgggcaaaac	3000
taccctgat	ccttcagcta	acattagtct	ggatggtgta	gacgttcctc	ttgggaccgg	3060
gatttcacat	ggtgtgaatg	acacctctct	actatataac	gagtacattg	tctatgatat	3120
tgctcaggta	aatctgaagt	atctgctgaa	actgaaattc	aattttaaga	cctccctgtg	3180
gtaattggga	gaggtagccg	agtcacaccc	ggtggctctg	gtatgaattc	acccgaagcg	3240
cttctgcacc	aactcacctg	gccgctaagt	tgctgatggg	tagtacctgt	actaaaccac	3300
ctcagaaaag	attttacaga	aacgtgttaa	aggttttctc	taacttctca	agtcccttgt	3360
tttgtgttgt	gtctgtgggg	aggggttgtt	ttggggttgt	ttttgttttt	tcttgccagg	3420
tagataaaac	tgacatagag	aaaaggctgg	agagagattc	tgttgcatag	actagtccta	3480
tggaaaaaac	caagcttcgt	tagaatgtct	gccttactgg	tttcccagg	gaaggaaaaa	3540
tacacttcca	cccttttttc	taagtgttcg	tctttagttt	tgatttttga	aagatgttaa	3600
gcattttattt	ttagttaaaa	ataaaaacta	atttcatact			3640

<210> 145

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(425)

<223> n = a,t,c or g

<400> 145

cagtaggatg	atggncctgg	gccaccagcc	taaaccttgc	agccttagga	aagacctgtg	60
tcaacaggct	tgccctccctc	tctagacagg	ggctcagcac	ctccagggca	tccctgctgc	120
attttccctg	ctggaggatg	gggcagaggg	acaatgggag	aggagggcat	gacccacccc	180
caggctatag	cagctccttg	gccacaaaga	tcctttttgcc	agtagcagaa	gggaggaaaa	240
cagcaaccac	caggggttac	caccacttgt	gggaatggcc	agggacccca	ttacgtcctc	300
ttaaagttgt	gctcaaagca	atttaataaa	ttaaagttag	gccttttcagc	aggcaaagct	360
gttcaattca	cacagggaga	aggttnaggc	agaaaggcaa	agnaaagagg	gttttttagg	420
ttttt						425

<210> 146

<211> 528

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(528)

<223> n = a,t,c or g

<400> 146

ttaatatatta	aatgttttaa	tagttaaaat	tttttaacaa	tttaacttta	aaaaggctcac	60
acattttctg	atccagcaat	gccccaatca	gattgtttca	ttttattatt	attatcaaca	120
ctgtcccctt	tttggcacct	gtaaaatagt	tcctttcggg	agtttgagac	caggccaggc	180
accgtcggca	tnggatgag	atgggcaggt	ttggagctcc	tctgtctagt	gaggatcacg	240
gtctgcagag	aagggttggc	ctccccgtct	cctatcaagg	cttaaagcaa	ggagaaccat	300
cccaaatttg	ggttcctttt	cccctaagta	tccttagagg	caatccaccc	tgtggactag	360
gtgactagg	gaaggactga	ggtccagaaa	ggagctatct	taaacctgga	atcccatttc	420
ctagtctgca	gccttaagca	gttacctctc	cagacaacta	gccctctcct	tcctccgcac	480
gnaaacccat	gggcttacag	ggatggntgt	tgctttcccn	aaaagaaa		528

<210> 147
 <211> 519
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(519)
 <223> n = a,t,c or g

<400> 147
 ccgtgggtcac catgtcgcg gctgcctgca cantcttgag cacgctggcc tgggccgagc 60
 tggccgtgag gtccgggctg gcctgccgcg gtgggctggc gaggctctgc accccgctga 120
 agcagctgta gatgcccctn ctgaaagcca gcaggaagtc cagctnngat ganttgggca 180
 ccgagtngcg cactttccag tagaccaggt gctcccaggc gaagaccagc agggccagcc 240
 ccatggccac cagcagcatg tagaagacgc ctgccaatgt tgtcgatgtc cagcttgctt 300
 ctcatcacct cgttcttctc attctngcag atccctgaga gccacactgg tctccaagtt 360
 ttctntgten ntccnttccc caggaaattg caagagcgcc aggtntatnn gccnnttnca 420
 atnggantnc ttctncanng cantnctaag ccaagttgta gnaaaaaacct tncaaaannca 480
 atttgtnacc aattttnaan ccttntnctt nncntnca 519